CUMULATIVE AUTHOR INDEX

The cumulative author index has been compiled on the basis of abstract numbers rather than pagination.

Aagenaes, Oystein, 299
Aarskog, D., 3355, 3411
Aase, Jon M., 507, 1811
Abbas, K. A., 3402
Abbott, G. D., 1919
Abbott, Johanna, 1417
Abdulla, Usama, 464, 2553
Abdullah, Syed, 1440
Abouna, G. M., 907
Abraham, Edward, 1235
Abrahamov, A., 293
Abramovich, D. R., 355
Abramowicz, Mark, 2017
Abrams, B. A., 2854
Abul, Einen M., 141
Achenbach, Thomas M., 572
Ackerman, Bruce D., 196, 3264
Ackerman, Neil, 2375
Adachi, Masazumi, 1378, 1464
Adams, J. Hume, 2082
Adams, James M., 2019
Adams, Jerry, 236, 3504, 3505
Adams, Margaret, 762, 3592, 3599
Adelman, Lester S., 2246
Ademowore, Adebayo S., 3195
Adlard, B.P.F., 2191
Adler, Sol, 652
Admirand, William H., 2642
Adornato, Bruce T., 2253
Afifi, A. K., 1254, 2287, 2289
Afroudakis, A., 2044
Agostino, R., 3217
Ahlstrom, H., 1353, 3265
Ahluwalia, K., 2477
Ahmed, M., 1431
Aicardi, J., 346, 2288
Airaksinen, Eila M., 478
Ajdukiewicz, A. B., 865
Akers, Richard, 890
Alabiso, Frank, 2997
Alagille, Daniel, 147, 2058
Al-Aish, M. S., 486, 2471
Albanis, Vlassis, 2047
Alberes, Jose Maria, 1450
Alberman, E., 2515, 2516, 2573
Albert, Guy, 3236
Albores, Jose M., 2466
Alexander, D. F., 2471
Alexander, John P., 2395
Alfi, Omar S., 473, 1410, 3353
Alford, Charles A., 2777
Allan, Lindsey D., 3184
Allderdice, Penelope W., 2568
Allen, Alexander C., 215, 1715
Allen, Anne, 731
Allen, Ingrid V., 155, 336, 2476
Allen, R., 2079
Allen, Richard P., 2098, 3003
Allen, Robert M., 3462, 3464
Alleyne, G.A.O., 1436
Allport, Robert B., 518
Alpidousky, V. K., 2055
Altay, Cigdem, 1826, 2173
Alter, Aaron A., 2872
Alter, H. J., 894, 1967, 2012
Altman, Reuben, 509, 665, 1592, 1647
Altrogge, Hans C., 411
Altshuler, Geoffrey, 1951
Alvarado, J., 1159
Alvarez, Lia C., 2205
Alvord, Ellsworth C., Jr., 3280
Alysworth, Arthur A., 129
Amble, Bruce R., 1682
Amemiya, Ikuko M., 2218
Ames, Mary, 1268, 3202
Amici, Augusto, 1804
Amir, M., 669
Amirhakimi, G. H., 1190, 1240
Amores, Constantine Y., 1363
Amouch, P., 1793
Amoury, Raymond A., 2386
Amstey, Marvin S., 1892, 2810
Anagnostakis, D., 1933, 3053
Anakura, Michiya, 286
Anand, J. K., 1830
Anastasi, Anne, 2558
Ancri, D., 416
Andermann, Frederick, 2264, 3437
Anders, G.J.P.A., 2130, 2495
Anders, Terry R., 541
Anders, Thomas F., 2736
Andersen, Else, 882
Andersen, H., 1134, 2492
Andersen, H. Kerzel, 85, 879
Andersen, Jorgen Bent, 1055
Andersen, Vagn, 882
Anderson, Carolyn H., 924
Anderson, J. M., 2037, 3084
Anderson, Kevin, 935
Anderson, L. Bruce, Jr., 1466
Anderson, Robert M., 635
Anderson, Thomas A., 3039
Anderson, V. Elving, 770
Andersson, H., 2541, 3044
Andonian, S. J., 2287
Andre, M., 3263
Andreasen, Christian B., 2381
Andrews, H., 3109
Andrews, John, 7'4
Andrews, W. A., 2111
Andriola, Mary, 848, 2377
Angers, Marielena, 3058
Anglin, C. S., 2052
Angoff, Ronald, 850
Annibaldi, L., 372
Ansede, Alicia, 2527
Ansehn, S., 483

Anteby, S., 3207
Antich, J., 3378, 3408
Antoine, Henri, 1786
Antonello, Barbara L., 2666
Antoon, Alia Y., 2106
Anzil, A. P., 2252
Aoki, Yasunori, 3158
Aoyama, T., 2196
Aposhian, H. Vasken, 2651
Applegarth, D. A., 321
Appleyard, W. J., 3210
Aradine, Carolyn, 3071
Aranda, Jacob V., 186, 1312
Arashima, Shinichire, 286
Ardeman, Simon, 1147, 1367
Ardran, G. M., 3380
Aref, M. K., 3062
Arguedas, Jorge A., 82
Arhammar, G., 1185
Arias, Irwin M., 150, 168
Arjundas, G., 2119
Arky, Ronald A., 2439
Armendares, Salvador, 440, 1463, 2473
Armstrong, Donald, 73
Armstrong, E., 2515, 2516
Arnason, Barry G., 978
Arnold, L. Eugene, 1481
Arnstein, Ellis J., 2912
Aronson, Betty E., 329
Aronson, Stanley M., 329
Arrowsmith, W. A., 2961
Arseni, A., 1933
Arstila, A., 302
Arulanantham, K., 2322
Ascourgh, James C., 36
Ashcraft, Mark H., 3488
Asher, John D., 822
Ashkenazi, A., 293
Ashworth, Margaret R., 1219
Asirifi, Y., 1223
Asper, Ann C., 507
Assan, R., 2850
Aste, H., 2963
Astley, R., 2892
Atasu, Metin, 2470
Atherton, Harry D., 2315
Atkin, Julia, 471
Atkins, Leonard, 1437, 2461
Atkinson, Anna P., 609
Attwell, Arthur A., 555
Atwater, Jean, 159
Aubry, Richard, 2556
Auckland, N. L., 321
Auerbach, Victor H., 2258
Augoustaki, Olga, 158, 1883, 1959
Augustin, P., 97
Aula, P., 3090, 3372
Auld, Andrew, 1987, 2000
Auld, Peter A. M., 1266, 2862, 3230
Aurbach, G. D., 1191
Aussannaire, M., 1057
Austin, Elizabeth, 300
Austin, James H., 339, 1213, 2244
Autio, S., 302, 2182, 3090
Avery, Gordon B., 969, 1320, 2399, 3287
Avery, Mary E., 375, 2311
Avirachan, Sugandhi, 2486
Avirachan, Thomas T., 2486
AvRuskin, Theodore W., 1885
Awdeh, B., 3049
Axelrod, Felicia B., 3196
Axelrod, Julius, 315
Azimi, Parvin H., 858, 975, 1875, 3541
Azukizawa, Mizue, 310
Azumi, J., 2734

Babbage, N. F., 1094
Baber, Margaret, 1456
Babin, J. P., 415
Babson, S. Gorham, 388
Babusceac, Livia, 1853
Bachhawat, B. K., 2125
Bachman, Ronald, 486
Bachmann, C., 1207
Bachmann, K. D., 3392
Bachmann, R., 3097
Backstrom, M., 3382
Baden, Melvin, 2408
Bader, P., 660
Badger, Earladeen D., 667
Baehner, Robert L., 191
Baer, Donald M., 3523
Baerentsen, Hanne, 2832
Baerlocher, K., 258, 3054
Baertl, Juan M., 3030, 3115
Baertschi, U., 60
Bagley, Christopher, 434
Bahr, G. F., 3393
Baikie, A. G., 1423
Bailey, A., 986, 2061
Bailey, Colin, 1039
Bailey, D. W., 2066
Bain, A. D., 1391, 3884
Bain, Harry W., 1393
Baird, Patricia A., 1444
Baker, Bruce L., 709
Baker, D., 1394
Baker, E. C., 318
Baker, Henry J., 3110
Baker, Lester, 957
Bakken, Arne F., 1975
Balakrishman, Saidapet L., 73
Balasubramanian, K. A., 2125
Balazs, Robert, 261, 2209
Baldwin, Roger, 47
Balfour, Henry H., Jr., 1880, 1884, 2936
Balis, M. Earl, 1121
Ball, Steven E., 1546
Ball, Thomas S., 754
Balla, David, 482, 596, 2598
Ballard, Roberta, 2316
Balow, Bruce, 3241
Balsam, Marion J., 957
Baltieri, G., 1077
Banatvala, J. E., 2002, 2869
Bancalari, Eduardo, 2401
Bancroft, William H., 2011, 2907
Banerji, N. K., 1470
Banfalvi, M., 1182, 2172, 2227

Bangham, A. D., 2199
Banim, S. O., 3109
Banke, Ole, 1784
Bannister, Barbara, 2959
Banowsky, Lynn H., 3186
Barbarich, Michael, 2504
Barclay, G. P. T., 2129
Bard, Harry, 3236
Bardon, Jack I., 565
Barham, Jeffrey, 1559
Baringer, J. Richard, 74, 1834, 1845
Barker, Elaine, 666
Barker, Harry R., 2606
Barksdale, Mildred W., 609
Barlow, John F., 1265
Barlow, M. J., Jr., 3390, 3414
Barltrop, D., 2887
Barnard, James W., 531
Barnard, Kathryn E., 1677
Barnes, Barbara D., 3170
Barnes, Richard H., 313
Barnett, Clifford R., 3501
Bar-on, H., 3207
Baron, John, 1399
Barr, A., 1004
Barr, D. G. D., 257
Barr, E., 2079
Barr, F. R., 2991
Barr, Murray L., 797
Barr, R. D., 1889, 1994, 2946
Barlow, Peter, 2506
Barrat, M., 517
Barreto, Victorino S. T., 2880
Barrie, Herbert, 1342
Barsch, Raymond H., 617
Bartholomew, Allen A., 1390, 3425
Bartlett, Glen S., 2659
Bartman, Jacqueline, 22
Barton, Robert W., 1166
Barton, Russell, 3575
Bartsch-Sandhoff, M., 3388
Bartsocas, Christos S., 1934, 2176, 2273
Bartter, Frederic C., 289, 2238
Bartuska, Doris, 1377
Barua, R., 1352
Bashere, Richard A., 173
Bass, Harold N., 3432
Bass, Norman H., 2256, 3130
Bassett, John E., 1511
Bastian, F. O., 2030
Basti-Maouni, B., 1204
Basu, Subrata K., 1379
Batarseh, Gabriel, 1114
Bates, Talcott, 3002
Bath, Daniel W., 3422
Bathen, J., 2324
Battle, Constance U., 2698
Batts, James A., Jr., 1462
Baublis, Joseph V., 2956
Bauer, Charles R., 2408
Bauer, D. J., 2899
Bauer, Henry, 1880
Bauer, Raymond B., 2905
Baughman, Fred A., Jr., 1380, 3435
Baum, J. David, 1001, 2161, 1468
Baum, John, 965
Bauman, Margaret L., 377, 3286
Baumeister, Alfred A., 534, 564, 647, 652, 1602, 3497
Baumel, Irwin P., 2414, 3322
Baumgartner, R. E., 1207, 1797, 3097
Baumslag, Naomi, 1696, 3593
Bautista, Grace, 856
Bax, Martin, 1593
Baxley, Norman, 3543
Baxter, Donald, 3576
Beals, Rodney K., 1241
Beard, R. W., 1019, 1756, 3254, 3268
Beare, A. S., 1865
Beare, J. M., 155
Bearn, Alexander G., 2109
Beattie, A. D., 905, 1819, 2051
Beaudoin, J. G., 3140
Beaudry, Pierre H., 1303
Beauvais, P., 256, 1192
Beazley, J. M., 1056, 1317
Bech, Karen, 2534
Bech, Karine, 58
Becker, Dorothy, 3037
Beckers, R. G., 3107
Beckfield, W. J., 1029
Beckwith, J. Bruce, 2388
Becroft, D. M. O., 1086, 1996
Bedoya, Jose, 3032
Begab, Michael J., 3549
Begue, P., 153
Behan, Peter O., 2948
Behar, Moises, 1167
Behbehani, Abbas M., 2942
Behrendt, Hans, 1810
Behrman, Richard E., 1311
Beischer, Norman A., 371
Belaisch, G., 512
Bell, Christopher, 3277
Bell, E. F., 3076
Bell, E. T., 1945
Bell, T. M., 1851
Bell, William E., 232
Bellack, Stephen, 511
Bellamy, Edward, 1682
Bellamy, Thomas, 624
Bellanti, Joseph A., 2973
Belmont, John M., 3542
Belton, N. R., 3061
Benamon, D., 1793
Benassi, Barbara J., 1614
Benassi, Victor A., 1614
Bendel, Richard P., 3360
Bender, A. E., 3123
Bender, Paul A., 1612
Benderli, A., 3066
Benderly, Abraham, 1249
Benirschke, Kurt, 992, 3397
Benjamin, Gerald E., 1494
Benjamins, Joyce A., 3112
Benke, Paul J., 3071, 3145
Bennett, Donald R., 3320
Bennett, J. S., 1800
Bennett, John E., 1841, 1855
Bennett, John V., 2035
Ben-Porat, Tamar, 1963
Bensel, Robert W., 363

Benson, P. F., 439, 1209
Bentler, P. M., 527
Benton, A. L., 234
Bentovim, Arnon, 2694
Berankova, J., 2494
Beratis, Nicholas, 3426
Berdon, Walter E., 1442
Berenberg, William, 3220
Beresford, Jane, 1608
Berg, Berthold, 3478
Berg, J. M., 480, 1291
Berg, K., 3152
Berg, Robert B., 413
Bergada, G., 1132
Bergen, Richard P., 3547
Berggreen, Sheila M., 2084
Berglund, G., 3042
Bergman, M., 1394
Bergmann, Karl E., 3039
Bergqvist, Gudmund, 95
Bergren, W. R., 3040
Beric, Berislav M., 810
Berk, Paul D., 161
Berkowitz, Richard L., 1765
Berkson, Gershon, 1594, 3454
Berlin, Nathaniel I., 161
Berman, Julian L., 322, 1179
Berman, Michael, 2219
Berman, Wulfred, 1273, 2249, 3289, 3331
Bernal, A., 2153, 2228
Bernard, R., 417
Bernstein, Norman R., 10, 2650
Berriman, P., 104
Berry, Franklin M., 534, 647
Berry, H. K., 190, 2189
Berry, Helen K., 3118
Berry, Paul B., 1508
Berryman, Doris, 747
Berthold, Hans, 2967
Bertin, P., 147
Bessant, Helen, 2585
Best, Jennifer M., 2002, 2869
Bethlenfalvay, N. C., 3362
Better, O. S., 3066
Betts, P. R., 2892
Beuls, E., 2294, 3544
Beutler, E., 3132, 3134
Bezjian, Alex A., 33
Bhagavan, H. N., 3347
Bhagwanani, S. G., 1340, 1347, 3244, 3271
Bharucha, E. P., 1224, 2366, 2367
Bianchi, Elena, 265
Bianchine, Josette W., 1269
Bias, Wilma B., 40, 3393
Bickel, H., 3107
Biedrzycka, R., 2914
Biegel, Angenieta A., 359
Bieniarz, Jozef, 2719
Bier, L., 3387
Bierman, Edwin L., 2161
Bierman, Jessie M., 529
Bierthe, G., 273
Biezenski, J. J., 34
Biggs, Rosemary, 46
Bilek, Mary, 1959
Billewicz, W. Z., 1239, 1945
Billigmeier, Andrea H., 526
Bing, Oscar H. L., 3135
Birch, Herbert G., 1142, 3137
Bird, Morris T., 3226
Bishop, Harry C., 957
Bishun, N., 2526
Birch, Herbert G., 2588
Bisson, P. G., 1194
Bistrain, Brian, 839
Bithell, J. F., 2890
Bjernstad, A., 3211
Bjorneboe, M., 2043
Bjorner, Hanne, 1125
Bjornesjo, K. B., 1185
Bjoro, K., 3152
Black, J. A., 2479
Black, William F., 1540
Blackburn, Michael G., 863
Blackman, Alden, 2023
Blackston, R. Dwain, 2480
Blake, G. T. W., 2140
Blanco-Sequeiros, Marjatta, 996
Bland, G. A., 3583
Bland, Richard D., 2373
Blank, C. E., 3381
Blankenship, Robert M., 1152
Blankenship, W. J., 2284, 2316
Blatix, Charles, 1793
Blattner, Peggy Y., 1768
Blatz, Randy, 330
Blau, Karl, 317
Blaw, Michael E., 982
Bleaden, F. A., 2689
Blennow, G., 3296
Bleyer, Werner A., 170
Bligh, A. S., 2027
Blindert, H. Dieter, 2629
Blinzinger, K., 2252
Blixt, Sonya L., 2605
Blizzard, Robert, 399, 2376, 3030
Block, William, 2951
Blodgett, Frederic M., 1902
Bloise, Walter, 2184
Blomfield, J., 2231, 3057
Bloom, A. D., 3074
Bloom, Gerald E., 455
Bloom, John E., 845
Bloom, S. R., 3218
Bloomer, Joseph R., 161
Blot, William J., 2070
Blount, William R., 535
Bluestone, R., 2855
Blum, D., 2954
Blumberg, Baruch S., 1448
Blumenfeld, Charles M., 1179
Blunden, Roger, 1641
Bobrow, Martin, 458, 3415, 3419
Bocian, Maureen, 444
Bocke, Joe, 628
Boczkowski, Krzysztof, 1461
Bodensteiner, J. B., 437
Boehme, D. H., 337
Bogdanoff, Bruce, 1031
Bohjalian, Oshin, 1871
Bohuon, Agrege C., 2239
Bole, S. V., 341
Boll, Thomas J., 1101, 1438
Bolling, D. R., 2724

Bolognese, Ronald J., 1041
Bolwig, Tom G., 2423
Bonduelle, M., 422
Bongiovanni, A. M., 1139, 1435
Bonner, Hugh, 1855
Bonnet-Gajdos, M., 153
Bonnett, M., 1727
Book, A., 3386
Booker, Harold E., 3327
Boone, Donald R., 2691
Booth, Carol W., 2133, 3113
Borchert, P., 1774
Bordiuk, Joseph M., 2383
Borer, R. C., Jr., 3282
Borgaonkar, D. S., 515, 1439, 2724, 3393
Borger, Joanne M., 1477
Borgstedt, Agneta D., 2696
Borland, Maureen D., 595
Bornstein, Murray B., 1947
Borofsky, Leatrice G., 2448, 3330, 3338
Boroskin, Allan, 592, 1544, 1658
Borresen, Anne-Lise, 3152
Borromeo-McGrail, Virginia, 2383
Borrone, C., 250, 324
Borst-Eilers, E., 942
Bortner, Morton, 620
Borton, Thomas E., 1337
Borulf, Stefan, 1453
Borus, Judith F., 3448
Boshes, Louis D., 430
Boston, R. W., 3099
Bots, Gearard TH. A. M., 3256
Bottini, E., 1879, 2849, 3107
Bouchard, Marc, 441
Boughton, C. R., 3586
Bourgeois, Curtis H., 853
Bousquet, O., 949
Bouton, S. Miles, 961
Bouygues, P., 422
Bove, Kevin E., 977
Bowden, Judith, 1519
Bowen, Frank W., 3287
Bower, B. D., 1366, 1373
Bowie, E. Mary, 2697, 3153
Bowman, J. M., 163, 2704
Boyce, D. E., 3272
Boyd, A. E. W., 2338
Boyd, Elizabeth, 464
Boyd, I. E., 2885
Boyle, William E., Jr., 3240
Boynton, Ragna C., 2319
Bozoian, G., 321
Brackett, Robert G., 1927
Bradford, William D., 2131, 3194
Bradford, William L., 323
Bradley, Betty Hunt, 1541, 1561
Bradley, W. G., 2135
Brady, June P., 2301, 2405
Brady, Roscoe O., 2198, 3133, 3136
Bragg, Ernest A., Jr., 2703
Braham, J., 2233
Brahlek, James A., 2593
Branch, B. N., 809
Brandt, N. J., 1124
Bransford, Louis A., 641
Bratlid, Dag, 885
Braucht, George N., 567
Braun, W., 887
Braunstein, Glenn D., 2117, 2300
Braverman, Lewis E., 1885
Bravo-Fernandez, E., 3155
Bray, J. J., 1625
Bray, Patrick F., 1242
Brechbuhler, T., 1207, 3097
Breg, Roy W., 2568, 2570
Brennan, Mary E., 1751
Bresnan, Michael J., 2162, 3220
Brett, E. M., 1170
Brewder, J. A., 12
Bricker, Diane E., 653, 1547, 3490
Bricker, William A., 653, 3490
Bridges, J. M., 155
Brierley, J. B., 2096, 3334
Brink, Joyce D., 1220
Brinkworth, R., 3366
Brissaud, H. E., 1192
Brissenden, Jane E., 3288
Broadhead, Geoffrey D., 1521
Brock, D. J. H., 268, 1355, 1420, 2305, 2762
Brock, Joseph T., 3321
Brocklebank, J. T., 920
Brocklehurst, Gordon, 1334
Brockmann, U., 1977
Brodersen, Paul, 2423
Brodersen, R., 165, 892, 995
Brodsky, Alan L., 2024
Brody, Irwin A., 352, 402
Brody, Jacob A., 904, 1921
Brolin, Donn, 671, 1586, 2634
Bronfenbrenner, Urie, 3565
Brooke, O. G., 1015
Brooker, Doris C., 3360
Brooks, Benjamin L., 641
Brooks, D. N., 3400
Brooks, Donna, 3397
Brooks, Marion R., 2590
Brostoff, S. W., 2005
Brotherton, B. J., 3278
Brotz, Miriam, 1310
Brouwer, R., 901
Browder, J. Albert, 1181, 1604
Brown, Archie W., Jr., 1955, 2096
Brown, B. St. J., 1287
Brown, Bridget Moylan, 3558, 3560
Brown, D., 2759
Brown, Dennis G., 3293
Brown, Denys, 1596
Brown, E. H., 2888
Brown, Edwin G., 2370
Brown, Eleanor S., 2211
Brown, J. K., 918, 2428
Brown, Jeffrey, 2862
Brown, Lou, 624
Brown, Lynn, 547
Brown, R. C., 1029, 1573
Brown, R. E., 1783, 2212
Brown, R. J. K., 348
Brown, R. S., 3545
Browne, E., 679
Broyer, M., 342
Bruininks, Robert H., 610, 1507
Brunell, Philip A., 849
Brunette, Michele G., 2155

Brunngraber, E. G., 2265, 3262
Brunning, Richard D., 2910
Brunzell, John D., 2161
Bruppacher, Rudolph, 1854
Bry, Peter M., 2626
Bryan, E. M., 2856
Bryan, James H., 664
Bryant, Gillian M., 185, 3510
Bryce-Smith, D., 1776
Bryson, Carolyn Q., 3496
Bryson, Michael F., 1190
Bryson, Yvonne, 403
Brzosko, W. J., 2914
Bubis, J. T., 2233
Bucci, G., 372, 380, 1336, 3217
Buchan, Alan R., 1995
Buchanan, Robert A., 2415, 2437, 2956, 3307
Buchsbaum, Monte, 2214
Buchthal, Fritz, 1471
Buck, Carol, 2754
Buckton, Karin E., 2463
Bucovaz, E. T., 2026
Buda, Francis B., 1670
Buddenhagen, R. G., 1613
Budoff, M., 675, 1551, 1575, 3512
Budzilovich, G., 3209
Buentello, Leonora, 440, 1463, 2473
Bugiani, O., 250
Buhi, W. C., 1763
Buhler, E. M., 2465, 3370
Buhler, F. R., 3093
Buhler, U. K., 1207
Buist, Neil R. M., 3120
Bull, J. A., 1791
Bull, Marilyn J., 3398
Bullen, J. J., 906
Bulova, Stephen I., 2352
Bulpitt, C. J., 2989
Bundey, Sarah, 3261
Bunnell, C. Edward, 972
Bunting, Rosamund, 1608
Bunyaviroch, Emorn, 176
Burd, Lawrence I., 2719
Burdett, Arthur B., 673
Burelle, Leonard C., 639
Burger, Henry G., 3045
Burger, Lewis J., 1215
Burgin-Wolff, Annemarie, 125
Burk, H. Warren, 705
Burkinshaw, John, 2076
Burnard, E. D., 3183
Burnard, Eric, 3179
Burns, Barry, 3299
Burns, D. G., 2417
Burrell, R., 2770
Burrill, Karen C., 2441
Burrington, John D., 2934, 2951
Burt, Cyril, 1589
Burt, D., 3177
Burt, Robert A., 1622
Burton, Thomas A., 1632
Busby, Geoffrey, 1566
Businco, Luisa, 889
Butcher, Bill, 3308
Butcher, R. E., 190, 1051
Butenandt, O., 1135
Butler, N. R., 2271, 3270
Butterfield, Earl C., 3542
Butterfield, L. J., 1272, 2150
Buxton, P., 2216
Buynak, Eugene B., 82, 835, 842, 1877, 2853
Byrne, Margaret A., 1247

Cabanes, J., 1057
Cabrall, Lynn, 1657
Caddell, Joan L., 3028, 3029
Caffey, John, 1100
Cahalane, S. F., 3107
Caldwell, Bettye M., 3564
Caldwell, Peter D., 1433
Caldwell, R. A., 1194
Calhoun, Karen, 3460
Callahan, John W., 1165
Callander, D. J., 740, 755
Callie, Albert S., 1695
Calliumi, G., 3217
Cameron, James S., 2105
Camp, Bonnie W., 37
Campbell, A. G. M., 2708
Campbell, D. G., 410
Campbell, James A., 1042
Campbell, Neil, 1978
Campbell, P. E., 421, 2149, 2231
Campbell, S., 1317
Campbell, Stuart, 30, 1710, 2334
Campbell, Susan B., 241
Campbell, W. A. B., 457
Cant, J. S., 303
Cantu-Garza, Jose-Maria, 2473
Cao, Antonio, 2519
Cape, Charles A., 1824
Caplan, W., 123
Cappel, R., 1833, 1949
Capute, Arnold J., 3289
Caramia, Felice, 1910
Caraway, A. F., 815
Caraway, Charles T., 2940
Cardiff, Robert D., 2907
Careddu, G., 2787
Cares, Herbert L., 2200
Carey, D., 2392
Cargan, Sue, 1549
Cargill, J. S., 2926
Carley, J. G., 2842
Carlson, Coldevin B., 3164
Carlson, Jerry S., 536
Carlson, Stanley D., 487
Carmichael, Allan, 1395
Carmichael, Andrew, 1039, 2091
Carmody, Patrick J., 3126
Carne, Stuart, 2874
Carney, A., 1323
Carney, M. W. P., 2203
Caro, A. J., 2842
Carpenter, Donald G., 1116
Carpenter, R. LeRoy, 973
Carpenter, Stirling, 2264, 3437
Carrel, Robert E., 1445, 3309, 3429
Carrella, M., 1818
Carroll, M., 1157
Carruth, David G., 1640

Carson, N., 3107
Carter, Barbara L., 1338
Carter, C. O., 806, 2343, 2722
Carter, Charles H., 1116
Carter, J. J., 3365
Cartlidge, N. E. F., 2999
Carton, D., 271
Cartwright, Elizabeth, 421, 2149, 3020
Carver, David H., 1858
Casazza, Lawrence J., 2226
Casey, Kenneth R., 850
Casey, M. D., 3381
Cashdan, A., 697, 3486
Casmas, S., 1662
Caspary, E. A., 1851
Caspersson, Torbjorn, 2463
Caspi, E., 3180
Cassady, George, 1047
Cassel, Robert H., 3598
Castaldi, P. A., 1063
Castell, R., 3076
Castro, Alberto, 2205
Castro-Caldas, Alexandre, 2906
Catalano, Louis W., 126
Caul, Joyce, 1974
Causey, O. R., 2018
Cavanagh, J. B., 1
Cave, C. W. E., 3515
Cavell, B., 870, 2896
Caveness, William F., 3012
Cawley, J. F., 1500
Cazal, Pierre, 2876
Cazauran, J. M., 415
Cedrate, Angel, 1450
Cegelka, Patricia T., 1505
Celber, Doreen, 453
Celermajer, J. M., 1091
Celesia, Gastone G., 1362
Celeste, Sister, 1678
Centerwall, Willard R., 2462
Centifanto, Ysolina M., 2050
Cereghino, James J., 3321, 3374
Chadd, M. A., 1076, 1150, 2321
Chaimovitz, C., 3066
Chakanovskis, Johanna E., 1454
Chakraverty, Pratima, 2902
Challop, Roger, 114, 802, 850, 960
Chamberlain, Geoffrey, 2733
Chamukuttan, Snehalata, 2119
Chan, Michael C. K., 970
Chan, Wan H., 818, 1749
Chan, Y. C., 1920
Chan, Y. K., 484
Chance, Burton, Jr., 1221
Chandi, Sushil, 2125
Chandler, Alvin, 592
Chandra, H. Sharat, 499
Chandra, R. K., 2950
Chandra, Roma, 3287
Chang, Ming-Ming, 1821
Chang, Potter, 2661
Chang, Te-Wen, 1848
Chang, W. K., 2902
Chanock, Robert M., 894, 1812
Chantraine, J. M., 273
Chapelle, P., 1193
Chapple, P. A. L., 3011
Chard, T., 2325
Chardos, Stephen, 686
Charupatana, Chinda, 2169
Chase, G. A., 1736, 3393
Chase, H. Peter, 2115, 2150
Chase, Thomas N., 2491, 2555
Chasey, William C., 615, 651, 746
Chattas, A., 1136
Chatterji, A. N., 899
Chaussain, J. L., 1057
Chavez, Y., 3095
Chelmicka-Szorc, Eva, 978
Chemke, Juan, 13, 3197
Chen, Andrew T. L., 484, 2480, 3346
Chen, Lincoln C., 3024
Chen, Rina, 13
Chen, Rong-Chi, 3316
Cherian, R., 2125
Chernay, Patrice R., 1432
Chernick, V., 1279, 2365, 2371, 3167
Cherry, James D., 966, 1886, 2025, 2955
Cherubin, Charles E., 875
Chia, W., 104
Chien, Ching-Piao, 2436
Chieri, Primaresa R., 1450
Child, David A., 322, 1672
Childress, W. B., 2601
Childs, Barton, 1736
Chin, James, 925
Chin, Tom D. Y., 1872
Chisolm, J. Julian, Jr., 1876
Chiswick, Malcolm L., 3179
Cho, Cheng T., 2942
Choate, John W., 2810
Choie, David D., 2065
Chou, Paula J., 3264
Chou, S. M., 2770
Chow, Anthony, 1010
Christensen, M. Fjord, 2886
Christian, Joe C., 359
Christiansen, Claus, 2443
Christiansen, Richard L., 2300
Christoffersen, Per, 160
Christoforov, B., 145
Christopher, P. J., 1926
Chua, Le-Bong, 834
Chuprevich, T. W., 2542, 3348, 3352, 3365
Church, John A., 1219
Churchill, Don W., 3496
Chuslip, S., 2964
Cicci, Regina, 227
Cintron, Carlos, 1435
Cioltei, Anca, 2490
Cirnu-Georgian, Liliana, 2490
Clack, Enid, 2751
Claeyssen, Gladys, 3030
Claireaux, A. E., 1264
Clapp, J. B., 909
Clar, H. E., 3201
Claridge, G. S., 3530
Clark, A. D., 1000
Clark, Alice T., 2637
Clark, B., 3540
Clark, C. Scott, 850

Clark, Charlotte R., 1507
Clark, D. F., 3527, 3595
Clark, Gerald R., 695
Clark, Julian, 1801
Clark, Leland C., Jr., 2988
Clarke, A. D. B., 761, 1514, 2580, 2747, 3508
Clarke, A. M., 761, 2747
Clarke, C. A., 174, 817, 1008, 3250
Clarke, D. A., 909
Clarke, G., 458
Clarke, J. T. R., 3140
Clarke, S. K. R., 1068
Clayton, B. E., 19, 297
Clayton, George W., 1117
Cleeland, Charles S., 112
Cleland, C. C., 746, 757, 764, 1647
Clelland, R. C., 2339, 3272
Clement, Elvie G., 2489
Clements, John A., 2355
Clemmens, Raymond L., 227, 2088
Clinton, LeRoy, 1486, 1487
Closs, Karl, 900
Cobb, Henry V., 3562
Cobb, James H., 531
Coble, Larry L., 2290
Cobo, A., 3095
Cockburn, F., 2428
Cockburn, W. Charles, 2891
Cockcroft, W. H., 1174
Cocquit, G., 3146
Coffey, Victoria P., 3083
Cogen, Victor, 711
Cohen, Benjamin E., 1953
Cohen, Bernard E., 1348
Cohen, Bernice, 2739
Cohen, John, 1437
Cohen, Jon, 1700
Cohen, Julius S., 611
Cohen, M. Michael, 363, 3193
Cohen, Maimon M., 1389, 2484
Cohen, Michael I., 959
Cohn, Carol S., 36
Cohn, Howard D., 690
Cohn, Jorgen, 2833
Cohn, Robert, 217
Colbert, James N., 2661
Colclough, I. R., 2083
Cole, Barbara, 2981
Cole, M., 10, 1034
Coleman, John M., 569
Coleman, Marion T., 2902
Coleman, Mary, 3347
Coles, G. V., 2887
Coles, John W., 1462
Collacott, H. E. A. C., 2487
Colle, Eleanor, 186, 2408
Colligan, Elizabeth P., 2097
Collipp, Platon J., 2210
Collins, Edith, 1315
Collu, R., 2539
Colombo, J. P., 1132, 3037, 3107
Colombo, U., 1336
Colon, A. R., 2067
Colover, Jack, 2563
Coltart, T. M., 2334
Coltorti, M., 1818
Colver, Doreen, 445
Comfort, Alex, 1421
Comley, J. A., 2563
Conca, L., 3217
Cone, Lawrence A., 875
Conen, Patrick E., 35, 506, 814, 1393, 2134, 2460, 2552, 3417
Conger, W. L., 146
Conley, Ronald W., 2710, 2757, 3550, 3551, 3571, 3572, 3580, 3581
Conners, C. Keith, 2073
Connolly, Austin J., 608
Connolly, J. H., 76, 155, 208, 336
Connor, James D., 2009
Conrad, Gary W., 2194
Conrad, J. Lyle, 851
Conrad, Marcel E., 166, 2011
Constantopoulos, George, 2127, 2159
Constantoulakis, Mathios, 96, 158, 1883, 1959
Converse, George M., 2793
Cook, P. J. L., 1922
Cook, Richard C. M., 349
Cook, Robert, 2139
Cooke, J. R., 2111
Cooke, Patricia, 453, 502, 2479, 2505
Cooke, Robert E., 1277
Coonrod, J. Donald, 896, 1771
Cooper, Austin, 2864
Cooper, Jack R., 2146
Cooper, Louis Z., 132
Cooper, Max D., 154, 2863
Coovadia, H. M., 1143
Coquet, M., 517
Corbell, L., 2847
Corbin, R., 152
Corcoran, John W., 1612
Cordano, Angel, 3115
Cordero, Leandro, 2359
Corey, Margaret J., 485
Corson, Stephen L., 1041
Cortazzi, Diana, 3528
Cortazzo, Arnold D., 3462, 3466
Cosin, Abraham, 2466
Cosin, J. Marcelo, 2466
Cassart, Yvonne E., 937
Costeff, Hanan, 1348
Costin, Margaret, 1095
Costley, William B., 823
Cotter, Vance W., 1597, 3543
Cotterrell, Mary, 2209
Cotton, Ernest, 2951
Cotton, Ester, 3520
Cotton, Robert B., 853, 1906
Cottrell, J. C., 337
Couleru, O., 949
Coulson, W. F., 3383
Courey, Norman G., 3195
Courouce, A. M., 1793
Coursin, David B., 3347
Court, S. D. M., 920
Courtney, G. R., 523
Courtney, Louis D., 3274
Courville, Cyril B., 237
Cousin, J., 1455

Coward, W. A., 292, 2180
Cowshall, Shirley, 1851
Cox, A. M., 594
Cox, Eunice W., 630
Cox, Rody P., 1121
Coyle, Patricia K., 3112
Craft, A. W., 2999
Craft, Ian, 2733
Craig, J. A. L., 1646
Crain, Stanley M., 3439
Cramblett, Henry G., 858, 975, 1875, 1905, 3541
Crandall, Barbara F., 1445, 3416, 3432
Crawford, J. Selwyn, 3173
Crawford, John D., 1437, 2106, 2579
Crawhall, J. C., 1182, 2172, 2193, 2227
Creasy, Michael, 2753
Creasy, Robert K., 2355
Cree, Jean E., 1244
Cremer, Jill E., 262
Cremer, M. R., 2842
Cresson, Osborne, Jr., 3487
Crews, Jeanette, 975
Crichton, John U., 1778
Crigler, John F., Jr., 1885
Crispens, Charles G., 61
Crocker, Allen C., 2158
Crofton, T. A., 1439
Crombie, J. D., 3061
Crome, L., 354, 1262, 3036
Cromer, Richard F., 3470
Crosby, Robert M. N., 384
Crossen, Peter E., 2488
Crotty, J. M., 3127
Crowell, Robert M., 3253
Cruickshank, J. G., 948
Cruise, Mary O., 2397
Cruz-Coke, Ricardo, 2303, 2337, 2738
Cucinotta, Pattiann, 544
Cukor, Peter, 2647
Cumarasamy, Niloufer, 2403
Cumings, J. N., 2216, 3084
Cummings, Nancy P., 2456
Cummins, C. J., 3292
Cunningham, C. C., 3517
Cunningham, George C., 2143
Cunningham, James G., 2274
Curran, W. J., 1557
Currie, Jeanne M., 3516
Currier, Russell W., 851
Curtis, Diana J., 2479, 2521
Curtius, H. Ch., 3054
Cusick, Edward, 3127
Cutillo, S., 2787
Cutler, Robert W. P., 3258
Cutz, Ernest, 2134
Cyvin, K. B., 2324
Czeizel, A., 1816
Czernichow, P., 343
Czlonkowska, Anna, 2136

Dabiere, Carol S., 2150
Dacou-Voutetakis, C., 3053
Dacremont, G., 271, 3146
Dagg, J. H., 1819
D'Agostino, Angelo D., 1689
Dahl, David S., 1153
Dahl, G., 2492
Dahle, Arthur J., 1506
Dahlquist, A., 277, 489
Dallaire, L., 3395
Dallapiccola, Bruno, 1458
Dallas, Joseph, 1243
Daly, A. Kathleen, 2829
Daly, David A., 1506
Damasio, Antonio R., 2906
Dame, Laureen, 819
Dancis, Joseph, 1121, 3196
Danes, B. Shannon, 2112, 3035, 3060, 3073
Dangel, Harry L., 635, 3511
Dangel, Peter H., 2403
Danick, J., 1272
Daniel, William, 386
Danks, D. M., 421, 2149, 2231, 2802, 3020
Danon, F., 342
Dao, Van Lan, 2804
Dappelman, Murray M., 1482
Dapur, R. N., 3332
Darby, Caryl W., 465
Dargassies, S. Saint-Anne, 1491, 1492
Dartnall, Jean A., 1423
Das, J. P., 2597, 3493
Dastur, Darab, 2366, 2367
Daunton-Fear, M., 1620
Davenport, Fred M., 1024
Davenport, Richard K., 577
David, Camelia, 1853, 2928
David, Oliver, 1801
David, T. J., 2269
Davidow, Bernard, 118, 1981
Davidsen, Paul C. B., 62, 63
Davidson, D. C., 2916
Davidson, Ronald G., 2484, 3126
Davidson, Serena, 1371
Davies, A. Michael, 38
Davies, C. L., 3456
Davies, D. P., 2123, 2900, 3215
Davies, Judith, 2965
Davies, Kathleen J., 3510
Davies, Morgan, 1942
Davies, P., 1732
Davis, Catherine W. C., 2863
Davis, H. E., 1177
Davis, John, 1314
Davis, Philip H., 860
Davis, Thomas C., 2017
Davis, Thomas G., 1398
Davis, William E., 1498
Davison, A. M., 1016
Davison, B. C. Clare, 141
Daw, Edward, 180
Dawber, Rodney P. R., 1993
Dawson, Glyn, 267, 3075, 3138
Dawson, James C., 470
Day, N. E., 916
Dayan, A. D., 1007, 1924, 2053, 2234

Dayras, J. C., 343
Dean, M. F., 1209
Deardourff, Stephen L., 2050
Dearth, Beverly J., 1579
Deaton, J. G., 3405
De Bac, Carlo, 1910
De Bault, L. E., 2550
De B. Mitford-Barberton, G., 1998
Deberdt, Roger, 1165
de Boer, C. H., 123
De Bruin, E. J. P., 306
De Bruyn, C. H. M. M., 3100, 3101
Debski, R., 2914
Debson, James C., 9
De Carvalho, Valentim, 2906
De Chieri, Primarosa R., 2466
Deckers, J. F. M., 3428, 3430
Decourt, Luis, 2478
Dee, Henry L., 2075
De Edgar, Clara Lee, 662
Deely, Nicholas, 2220
Degenhardt, K. N., 2498
Degnan, Mark, 2112, 3035
DeGrinney, Joseph T., 2048
deGroot, C. J., 2495
De Groot, Leslie L., 2148
de Hoyos-Guevara, Evelio, 992
Deich, Ruth F., 576, 3506
Deinhardt, Friedrich W., 1857
Deisher, Robert W., 1531
Deitsch, Gail F., 943
De Jong, Bernard P., 1444
De Jung, John E., 655
Dekaban, Anatole S., 1400, 2127, 2159, 2576, 3136
de la Chapelle, Albert, 1413, 3361
De La Cruz, Felix F., 486, 828, 1532
De Lalla, Fausto, 914
de Lamerens, Sergio, 1032
DeLand, Frank H., 683
Delange, Francois, 2206
de la Torre, Jack C., 1104
Delavan, George W., 3200
Del Castillo, Rene, 1717
Delea, Catherine S., 289
de Leonardo, Concetta, 1603
Delivoria-Papadopoulos, Maria, 177, 1271, 1272
Della Cella, G., 250
DeLong, Arthur R., 1112
deLorimier, Alfred A., 2068
De Luca, K., 1372
Del Vecchio-Blanco, C., 1818
Delvin, Edgard, 2155
Demarchi, M., 1131
Demeyer, William, 3150, 3442
Demian, Saba D. E., 2808
Deminatti, M., 1455
Demyer, Marian K., 3496
De Myer, William, 2360
Denhoff, Eric, 2589
Dennery, Jean M., 1867
Dennis, Jennifer, 1373
Dennis, K. H., 1757
Dent, James K., 1535
Deo, M. G., 2118
Deol, M. S., 2178
Depondt, M., 152
Depp, Richard, 1715
Derby, Bennett M., 2124
Derencsenyi, Anna, 473, 3353
De Renzi, Ennie, 233
Derivan, Albert T., 1273
Der Kaloustian, V. M., 414, 1254, 2287, 2289, 3049, 3192
Dermott, Evelyn, 336
Desai, L., 2322
Desai, P., 3450
Desforges, Jane F., 171
Deshpande, U. R., 2185
Desjardins, Paul D., 796, 1790
Desjeux, J. F., 1192
De Smedt, R., 1823
Desmonts, Georges, 2795, 2796
Desmyter, J., 2818
Desnick, Robert J., 3147
De Souza, R. P., 443
Despres, P., 512
Detels, Roger, 904, 1921
Detterman, Douglas, 534
Deuel, Ruthmary K., 2286
Deutsch, Robyn H., 119
Dev, V. G., 2528
Devenay, W. T., 2051
De Verbois, Hodebourg, 2288
Devivo, Darryl C., 328, 2859, 2903, 3343
De Vries, W. H. M., 3101
De Vries-Kruyt, T., 510
Dewhurst, C. J., 30, 461, 2874, 2885, 3176
Dey, Judith, 1397
DeYoung, Henry G., 611
Dhadial, R. K., 2516
Dharmkrong-at, Ayut, 455
Dhiensiri, Kamnual, 853, 1906
Diamond, Florence, 744
Diamond, Richard D., 1841
Dick, George, 2883
Diddle, A. W., 1750
Dierker, Leroy J., 2895
Dietrichson, Odd, 160, 164
Dietzman, Dale E., 961, 1385, 1771
Diggory, Peter, 51, 1757
Dignan, Peter St. J., 1308, 1386, 2522, 3431
Dillard, Robert G., 2296
Dilts, P. V., 146
Dimas, Carmen O., 2205
Dimauro, Salvatore, 3069, 3070
Dimmette, Robert M., 189
Di Musto, Juan C., 1871
Dine, Mark S., 845
Dinniss, Peter E., 674
Dinwiddie, R., 2336
Diosi, Peter, 1853, 2918, 2928
Di Silvio, Thomas V., 1026
Dmochowski, Leon, 1035
Dobbing, John, 2191, 3025
Dobos, M., 2497
Doby, John T., 2608
Dodd, Barbara J., 3401
Dodds, J., 1272
Dodds, J. R., 1790
Dodge, J. A., 2476
Dodge, J. S., 1817

Dodge, Philip R., 2113, 3600
Dodson, W. E., 2471
Doesburg, W. H., 3428, 3430
Doherty, Edward, 1576
Doherty, R. L., 2842
Dohn, Donald F., 401
Dolan, Margaret, 2715
Dolley, Diane Greenough, 469
Dolman, Clarisse L., 1247
Domingue, Gerald, 1854
Domino, George, 3534
Donald, Ian, 464, 3184
Donaldson, Milton H., 1187
Donhoff, Eric, 751
Doniach, D., 865
Donnell, G. N., 473, 3040, 3052, 3353
Donnelly, Edward F., 1535
Donnelly, William H., Jr., 2808
Donner, M., 2261
Donoghue, Elaine, 3402
Donohoe, W. T.A., 174
Dontanville, Virginia K., 2143
Dooling, Elizabeth C., 1265
Doolittle, Walter M., 2317
Dorau, Terrance A., 2134
Doray, Bernard, 3236
Dore, A., 2787
Dorfman, Albert, 1148, 2194
Dorfman, Leslie J., 2904
Dorman, D. C., 135
Dormandy, T. L., 2108, 2854
Dorn, G., 2252
Dorsch, N. W. C., 2281
Dorst, John P., 1256
Doty, Stephen B., 3065
Douglas, Carolyn, 3073
Douglas, Virginia, 239, 241, 1108
Douglass, Joseph H., 766
Doutsch, Cynthia P., 218
Dow, Ruth, 1290
Dowdle, Walter R., 1814, 1815, 2902
Downs, M., 1272
Doyle, P., 2526
Doyne, Emanuel O., 837, 839
Draghici, L., 246
Draper, David A., 167
Draper, G. J., 2890, 3349
Draycott, V., 3278
Dreger, Ralph M., 1479
Dreifuss, Fritz E., 2368, 3008
Drennan, J., 445
Drenzner, Marc, 3125
Dresser, Astha C., 3012
Drew, Clifford J., 526, 2585, 3475
Dreyfus, J., 256
Drillien, C. M., 352, 1260, 1294, 1299, 3279
Drouet, J., 1793
Drouhet, Victoria, 2804
Dryden, K. G., 1684
Drylie, David M., 2050
Dubach, U. C., 3093
Dubin, Elyse, 1713
Dubois, Reuben S., 270, 1983
Dubowitz, B., 789
Dubowitz, V., 304, 453, 789
Duc, Gabriel V., 2403
Duc, Tran Van, 1058
Ducasse, G. Clement, 1417
Ducharme, J. R., 2539
Duchin, Sybil, 1039, 2091
Duchting, M., 3201
Dudgeon, J. A., 927, 1059
Dudley, F. J., 865, 917, 1770
Duenas, D., 985, 1838, 1866, 2031
Duff, Raymond S., 2708
Duffy, Philip E., 2835, 2836
Duffy, Robert J., 599
Dufresne, Jean-Jacques, 1798
Dulaney, John T., 2188
Dumermuth, G., 258
Dumon, Jan E., 2410
Dumont, M., 1727
Dunbar, J. Scott, 1312
Duncan, Caroline, 3219
Duncan, Denise, 3082
Duncombe, David C., 2740
Dunham, Angela, 3176
Dunlap, Dickson B., 2556
Dunn, G. F. Newton, 2791
Dunn, Henry G., 1778, 2146
Dunn, Leo J., 2895
Dupree, Elton, 2779
Dupuis, C., 1455
Durand, P., 250, 324
Durant, Joseph L., 2192
Duravetz, J., 2773
Durrant, D., 1171
Dutton, G., 3261
Dweck, Harry S., 1047
Dybkjaer, Esben, 1784
Dybwad, Gunnar, 1621, 3563, 3587
Dyck, Peter J., 2110
Dyer, Geraldine Y., 196
Dyer, Jane S., 3150
Dyggve, H., 164
Dyken, Paul R., 782, 3254
Dzierba, Judith, 205

Eadie, M. J., 2424
Eastham, R. D., 1368
Eaton, Antoinette P., 362
Eaves, L. J., 2582
Ebbin, Allan J., 497, 925, 1163, 2546, 3187
Ebeling, Nancy B., 2097
Eberlein, Walter R., 1435
Ebrahim, G. J., 2223
Eccleston, D., 2349
Eckstein, Herbert B., 2706
Economidou, Joanna, 96, 158, 1883, 1959
Eddins, Donald L., 1909
Edelman, Charlene K., 1880
Edelman, Robert, 2169
Edgar, Anne H., 1921
Edgar, G. W. F., 2245
Edgerton, Robert B., 1524
Edwards, David J., 317
Edwards, Harold, 2235
Edwards, J. H., 491, 1418, 1741, 1752
Edwards, M. J., 947

Edwards, Neil K., 2315
Eedle, J. H., 1563, 1624
Egan, Dorothy F., 781
Egan, Edmund A., 2317
Egan, Edmund A., II, 987
Eggum, Bjorn, 1126
Egli, F., 2465, 2511
Egozcue, J., 1460
Eibschitz, I., 2894
Eid, E. E., 519
Eidelman, Arthur I., 2359
Eisen, Andrew A., 3437
Eisenberg, L., 2078, 2648
Eitzman, Donald V., 987
Ekelund, H., 285, 1293, 2320, 3211
Eklund, J., 1084
Elbualy, M. S., 39
Eldjarn, Lorentz, 298, 2183
Elfving, J., 2475
Elgefors, Borje, 871
Elian, Marta, 1358
Elizan, Teresita S., 1836
Elkeles, A., 2919
Elkerton, L. E., 1791
Elkind, David, 3465, 3509
Elling, Preben, 160
Elliott, James, 3578
Elliott, Luke S., 586
Elliott, M., 2515, 2516
Elliott, W. D., 1427
Ellis, H. L., 1286, 3415
Ellis, R. B., 2160, 2216
Ellis, William G., 2198, 2278, 3162
El Lozy, M., 3062
El-Milli, N., 1131
Elsas, Louis J., 2207
El Shahawy, M., 2138
Elshove, J., 3317
Elwood, J. H., 390, 866, 1295
Elwood, P. C., 1076, 2321
Emanuel, Irvin, 1428, 2276, 2280
Emerit, Ingrid, 512, 1429
Emerit, Jacques, 1429
Emerson, Pauline M., 3415
Emery, Alan E. H., 69, 2349, 2751, 3177
Emery, John L., 3225
Emmerson, B. T., 3038
Emmons, Richard W., 925
Emond, R. T. D., 1936
Enderlin, F., 3093
Eng, Gloria D., 1689, 2700
Eng, Marlene, 3280
Engel, Eric, 481, 2559
Engel, Rudolf, 1552
Engel, W. King, 2970
Engelbart, S., 3076
Engelhardt, H. Tristram, Jr., 2712
Engels, J., 2571
Engle, Andrew G., 2110
Engisch, Bert, 2459
Engsner, Gunnar, 779
Enhorning, G., 1109
Ente, Gerald, 2647
Epstein, Charles J., 1746, 2154, 2198, 3162
Epstein, M. A., 872
Erbe, Richard W., 48
Erdtmann, B., 443
Erenberg, Gerald, 2993
Erickson, Robert P., 2154
Eriksson, B., 3379
Ermans, Andre M., 2206
Erslev, Allan J., 159
Esber, Henry J., 2504
Escalante, J. A., 1329
Escobar, Javier I., 3412
Escourolle, R., 422, 423
Eskes, Philip W. H., 836
Esper, U., 257
Espiritu, Ceres E., 1307
Esposito, Roberto, 914
Esser, Aristide H., 554, 560
Esuperanzi, R., 380
Eteve, J., 152
Etienne, J. P., 145, 2954
Ettenger, Robert, 3063
Evans, D. I. K., 1381, 2949
Evans, Hugh E., 983
Evans, K. A., 2343
Evans, James R., 1477
Evans, Philip, 2174, 3108
Evans, Ross A., 1486
Evered, David, 3098
Evers, W., 1712
Evrard, John, 128
Ewen, Lillian M., 2425
Ewerbeck, H., 3205
Ewing, Carole, 1403
Eylan, E., 2894
Eylar, E. H., 2005
Eyman, R. K., 2684

Fabris, C., 2540
Faed, M. J. W., 2468, 2474
Fagan, Mary E., 2729
Faglioni, Piero, 233
Fahmy, D., 1340, 1347, 3244
Fahmy, M. S., 928
Fainaru, M., 2805
Fairweather, D. V. I., 1945
Falconer, G. F., 3243
Falconer, Murray A., 1369, 1371, 3340
Falek, Arthur, 484, 3266
Falkner, Frank, 3443
Fallstrom, S. P., 2541, 3371
Falorni, Adriano, 1804
Familusi, J. B., 2018
Fanaroff, Avroy A., 2354, 2406
Fang, Victor S., 2148
Farber, Martin, 3398
Farias, N. Elvira, 2863
Faris, Amin A., 884
Farkas-Bargeton, E., 346
Farmer, Keitha, 1086
Farquhar, J. W., 283, 1119, 3061
Farquhar, John D., 2707
Farrell, Donald F., 3110
Farrell, Philip M., 2382
Farris, William A., 982
Faulkner, R. E., 1668
Fay, O., 1780

Fay, Warren, 1552
Fechter, John V., Jr., 1520
Fedrick, Jean, 379, 2271, 2452, 3314
Feeley, James C., 2035
Feeman, William E., Jr., 1850
Fegersten, L., 3059
Feigin, I., 3209
Feigin, Ralph D., 1886, 2859, 2955, 2982, 3043
Feinberg, Irwin, 219
Feinberg, S. B., 3117
Feingold, J., 3107
Feingold, Murray, 361, 363, 1253, 1319, 3227
Fekete, G., 2497
Fekete, M., 2850
Feldman, Daniel S., 2422
Feldman, Joseph, 804
Feldman, Lawrence A., 1947
Feldman, R. B., 127
Feldman, Robert G., 1901
Feltkamp, T. E. W., 901
Fenner, Frank, 1079, 1093
Fenz, Walter D., 579
Feorino, Paul M., 1787
Ferguson-Smith, M. A., 72, 464, 3082, 3184
Ferrazzini, F., 1615
Ferrendelli, James A., 1821
Ferris, A. A., 1860
Ferro-Luzzi, G., 2107
Festoff, B. W., 2259
Field, Anne M., 937
Field, Barbara, 3214, 3297
Field, E. J., 1851
Field, P. R., 2843
Fielding, D. W., 378
Fielding, J., 312
Fields, Bernard N., 2769
Fields, Francis R. J., 229
Fiester, Alan R., 3532
Fijita, Kimio, 2913
Filer, L. J., Jr., 3039, 3144
Filomeno, A. R., 2033
Fils, David H., 555
Finberg, Laurence, 1843
Finch, A. J., Jr., 2601
Finkelstein, Jack, 2219
Finlay, H. V. L., 1333
Finley, S. C., 446
Finley, W. H., 446
Finnstrom, O., 370, 799, 800, 1293, 2320
Fisch, Robert O., 2799
Fischer, Kenneth C., 231
Fischer, Margaret, 1196
Fischer, Milton H., 320
Fischer-Rasmussen, Wiggo, 59
Fiser, Robert H., 2014
Fish, Barbara, 228
Fish, Charles H., 403
Fish, Irving, 849
Fish, Stewart A., 2026
Fishbein, Morris, 712
Fisher, Kirk L., 698
Fisher, L. McA., 907
Fisher, Mary A., 3458
Fisher, P. M., 2336
Fisher, S., 1060
Fishler, K., 3040
Fishman, Marvin A., 2113, 3226
Fishman, Stephen A., 2872
Fisk, G. C., 248
Fitch, Naomi, 1276, 3221
Fitzgerald, P. H., 3373
Fitzhardinge, P. M., 2404, 3224
Fitzhugh, Kathleen B., 419
Fitzsimmons, John S., 3298
Flagler, David G., 120
Flaherty, G. N., 1070
Flament, J., 1949
Flamme, P., 1707
Flanders, Raymond W., 2019, 2935
Fleet, William F., 989
Fleming, A. F., 2834
Fleming, J. E. E., 464
Fleming, P. C., 2052
Flensborg, E. W., 1349
Fletcher, Anne B., 1689, 2399
Flewelling, R., 546
Floor, Lucretia, 3576
Florman, Alfred L., 132
Flower, W., 1094
Flowers, Charles E., 64
Floyd, Mercedes V., 1792
Floyd, W. F., 748
Fucillo, David A., 2780, 2985
Fluge, G., 3411
Fluharty, Arvan L., 347, 696, 2167
Flynn, David M., 1343
Flynn, Frederick J., 2112, 3035
Flynn, Helen, 1395
Flynt, J. William, Jr., 3266
Foa, Piero P., 2728
Foerster, James M., 3135
Foerster, John, 1010
Folger, Gordon M., 455
Foliot, A., 145
Folman, Rosalind, 675
Foltz, Eldon L., 2314
Fomon, S. J., 3039
Fomufod, A. K., 2018
Fonkaisrud, Eric W., 1245
Fontaine, J. E., 153
Fontana, Vincent J., 2102, 2803
Forbes, G. B., 777, 1190
Ford, J. A., 2916
Ford, Judith H., 3351
Ford, Robin C., 322
Forehand, Rex, 591, 1537, 1602, 1681, 3460, 3497
Forfar, John O., 108, 257, 2428
Forget, Bernard G., 869
Forman, Philip M., 2779
Forrest, Jill M., 124, 134, 895, 938
Forrester, R. M., 3171
Forsham, Peter H., 2441
Forsius, Harriet, 1413, 2261
Forsman, Irene, 497
Forster, Francis M., 3316
Forsyth, Ben R., 2877
Fort, Arthur T., 187
Fortune, Denys W., 371
Foshee, Donald P., 588
Foster, Robert E., 1584

Fowler, Malcolm, 1290
Fowler, P. B. S., 3109
Fox, Jacob H., 2113
Fox, Joshua, 1569
Fox, R. A., 865, 917
Fox, Richard, 1693
Fox, Sheila, 1666
Fozzard, Constance E., 1280
Fraas, Louis A., 3461
Fracassini, Francesco, 1804
Fraccare, M., 459
Fraga, Juan R., 2569
France, N. E., 148, 3036
Franceschini, P., 2540
Francis, Ivan, 3127
Francis, Sarah H., 447
Francis-Williams, Jessie, 1327
Franco, John, 1379
Francois, B., 252
Francois, R., 252
Franconi, A., 264
Frangenberg, E. H., 2033
Frankenburg, William K., 37, 3142
Franklin, Margery, 449
Franklin, R. C., 1438
Franklin, Stanley S., 3141
Franks, Robert C., 481
Frano, Elizabeth, 1178
Fraser, F. Clarke, 774
Fraser, Richard A. R., 1255
Fraser, W. I., 3260
Fraser, William, 1558
Frasier, S. Douglas, 1163
Frazer, Muriel J. L., 2395
Freasier, Aileen W., 636
Freda, Vincent J., 1045
Frederich, A., 252
Freedman, David A., 3495
Freedman, Donald S., 26, 812
Freedman, Lewis S., 2239
Freedom, Robert M., 3423
Freeland, E., 1272
Freeman, John M., 1278
Frei, J., 212
Freier, Esther F., 2297
Freier, S., 38
Freilich, Theodore H., 813
Freitag, F., 1201
French, Fern E., 529
French, J. H., 1272, 1310
Frenk, S., 2151, 2152, 2153, 2228, 3058
Freter, Rolf, 204
Freycon, M. T., 254
Freyre, Eleodoro A., 3032
Frezal, J., 253
Frias, Jaime L., 2536
Fried, K., 3260
Friede, Reinhard L., 1957
Friedlander, Bernard, 1618
Friedman, C. Jack, 318, 1180
Friedman, M., 2854
Friedman, Paul A., 2208
Friedmann, Theodore, 826, 1600, 2646
Friedrich, Douglas, 2594
Friedrich, Eduard G., Jr., 3396
Friedrich, Ursula, 3394, 3434
Friis-Hansen, B., 882, 1128
Frimpter, George W., 3031
Frisk, Guy C., 597
Frison, B., 1455
Fritz, H., 886
Froehlich, Luz A., 793
Froideval, P., 152
Fromm, Gerhard, 1363, 2416
Frommel, Dominique, 2795
Front, Dov, 2369
Frood, J. D. L., 292
Frota-Pessoa, Oswaldo, 1329, 2478
Fryns, J. P., 2533
Fuccillo, David A., 84, 126, 1041, 1771, 2028
Fuglsang-Frederiksen, V., 3313
Fujikura, Toshio, 793
Fujimoto, Atsuko, 2546, 3187
Fujita, Kimio, 936, 1781
Fujiwara, M. W., 2052
Fuller, Renee, 287
Fumagalli, Remo, 338
Fumero, S., 3048
Funk, Kerri L., 2619
Furbetta, Mario, 2519
Furesz, John, 1867

Gabbe, Steven G., 1754
Gabreels, F., 2898
Gacs, Gabor, 3116
Gadberry, Eve, 624
Gadd, R. L., 3233, 3243
Gado, Mokhtar, 3231
Gaede, Jane T., 2131
Gaha, T. J., 3127
Gairdner, Douglas, 1731, 3247
Gajanan, N., 2119
Gajdusek, D. C., 2003
Gal, Andrew E., 3136
Galanti, B., 2915
Galbraith, R. S., 3099
Galjaard, H., 2723
Gall, John C., 181
Gallagher, Brian B., 1375, 2412, 2414, 3322, 3329
Gallo, Leonard G., 311
Galperin-Lemaitre, H., 3354
Gamboa, Eugenia T., 2835, 2836
Ganter, Robert L., 1482
Garancis, John C., 3396
Garatun-Theldsto, Else, 1156
Garatun-Tjeldsto, Oddvard, 1123, 1156
Garbagnati, Ersilia, 950, 2798
Garcia, Carlos A., 3219
Garcia, Julio H., 1032
Garcia, Otto L., 2401
Gardner, James M., 543, 585, 738, 763, 2649
Gardner, Lytt I., 498, 500, 2525, 3390, 3414
Gardner, R. J. M., 2510
Gardner, P. S., 920, 1989
Gardner, Riley W., 247
Gardner, William I., 2636
Gardner, William M., 1896, 2816

Gardner-Medwin, D., 2135
Gareis, Frank J., 376, 1274
Garfinkel, Joseph, 490
Garibaldi, Richard A., 1011
Gariock, G. D., 753
Garlinger, Patricia, 1714
Garofalo, E., 1077
Garrett, D. A., 1094
Garrett, John, 1577
Garrett, W. J., 3091
Garrison, Mortimer, 710, 1769
Garrod, O., 480
Garson, O. Margaret, 501
Gartner, Lawrence M., 150
Garton, Malinda D., 650
Gascon, Generosos, 2421
Gast, M., 256
Gates, Jane K., 1572
Gates, John J., 693
Gates, Marguerite J., 2930
Gatfield, P. D., 1171
Gath, Ann, 2609
Gaul, E. O., 1068
Gaull, Gerald E., 316, 1197
Gaulme, J., 513
Gauthier, Cajetan, Jr., 796
Gautier, E., 212
Gavin, June, 492, 495
Gawley, Iris, 1687
Gay, Giselle, 1981
Gaylin, Willard, 1737
Gayton, William F., 1511
Gazit, E., 3237
Gebhard, Paul H., 1528
Geefhuysen, J., 1200
Geerdink, R. A., 3100, 3101
Gehlbach, Stephen H., 1864
Geier, Mark R., 3294
Geisler, M., 2498
Geittman, William F., 2816
Geller, Daniel, 2614
Gellis, Sydney S., 361, 1253, 1319, 3227
Gemes, David L., 1975
Gendel, B. R., 3422
Genest, Paul, 441, 503, 1409
Genet, Yves, 1238
Gent, W. L. G., 2332
George, Jack, 2023
George, R. H., 2857, 2866
Geraghty, Margaret E., 2877
Gerald, Park S., 2157, 3423
Gerbeaux, J., 1057
Gerber, C., 60
Gerber, Nicholas, 1376
Gerber, Sanford E., 1475
Gerbie, Albert, 27
Gercken, G., 1977
Gerin, J., 2780
German, A., 949
German, James, 778
Gerritsen, Theo, 320, 2211
Gersh, Robert, 1443
Gershanik, Juan J., 360, 890
Gerson, Anne A., 849
Gerson, Kenneth L., 2007
Gerstley, Betty Jane S., 1448
Gerstmann, Paul E., 1468
Gertner, Melvin, 488
Gery, I., 38
Geschwind, Norman, 2074
Gettmann, William F., 1896
Geutieres, F., 1058
Ghadimi, H., 2322
Ghatak, Nitya R., 1214
Ghosh, A., 1779, 2922
Ghosh, M. L., 2538
Giambra, Leonard M., 3532
Giampa, Franklyn L., 585, 738
Giampiccolo, James S., Jr., 1544
Giannikas, A., 424
Gibas, Halina, 2802
Gibberd, Margaret G., 2181
Gibbs, C. J., Jr., 2003
Gibson, A. A. M., 3184
Gibson, A. G., 3009
Gibson, A. G. F., 1068
Gideon, Charles, 1682
Gilani, Shamshad H., 1870
Giles, Joan P., 1862
Gilkeson, Mary R., 2028
Gill, P. W., 1094
Gill, Thomas J., 1952
Gilles, F. H., 2503
Gillespie, J. M., 2231
Gilliam, Lynn D., 1501
Gilmartin, Richard C., Jr., 985
Gilmore, N. J., 1796
Gil-Rodriguez, J. A., 1351
Gimlette, T. M. D., 2958
Gindrat, J. J., 940
Ginsberg, Allen L., 2011
Ginsberg, Harold S., 1023
Gioannini, Carol A., 3194
Giorgini, Gino L., Jr., 2023
Giovannini, M., 3048
Giret, J. Y., 1192
Girgis, S., 3332
Girling, D. J., 1943
Giroud, A., 4
Gitnick, Gary L., 974
Gitzelmann, R., 258, 3050
Giusti, G., 2915
Giustino, V., 1770
Gizas, A., 1874
Glade, P. R., 1856
Glade, Philip, 963
Glaesner, G., 255
Glaser, Gilbert H., 3333
Glaser, Joy H., 3199
Glasgow, Allen M., 853, 1899, 1906
Glasgow, John F. T., 1343, 2901
Glasgow, Lowell, 2782
Glass, Bentley, 1688
Glass, David, 3329
Glass, Leonard, 983, 1792
Glass, Raymond M., 604
Glauser, Stanley C., 176
Glazerman, Larry R., 2768
Gleave, John, 3247
Glezen, W. Paul, 2941
Glick, Thomas H., 1900
Gloor, F., 3093
Gloria, F., 1879, 2849
Gluck, Louis, 374, 2359

Go, Suat Cheng, 151
Gocke, D. J., 1009, 1846
Godard, C., 1205, 1206
Godeneche, P., 513
Godtfredsen, Annelise, 85
Goebel, Hans H., 3150
Goebel, Klaus-M., 2472
Goeminne, Luc, 2508
Goettler, Diane R., 3477
Golbus, Mitchell S., 1746
Gold, Eli, 1913
Gold, Hugo, 2789
Gold, Marc W., 1598, 3531
Goldberg, A., 905, 1819, 1999, 2051
Goldberg, I. Ignacy, 629, 1571
Goldberg, L. S., 2855
Goldbloom, R. B., 1287
Goldblum, Randall M., 2295, 2779
Golde, David W., 2238
Goldensohn, Eli S., 1215, 3293
Goldfield, Michael D., 903
Goldhammer, Y., 2233
Goldman, Armond S., 2295, 2779
Goldman, Louis, 6
Goldschmidt, M. N., 394, 2066
Goldsmith, J. H., 123
Goldstein, Arnold D., 37, 3142
Goldstein, Arthur I., 1401
Goldstein, H., 3270
Goldstein, Menek, 2239
Goldstein, Norman P., 3078
Goldstein, Steven G., 42
Goldwater, Stanley, 2807
Golomb, H. M., 3393
Gomersall, R., 2900
Gomes de Freitas, A. A., 443
Gomez, Manuel R., 2110
Gomori, Andrew J., 1214, 3161
Gompertz, D., 3027
Gong, Bradley T., 2718
Gonyea, Edward F., 1837, 2978
Gonzales, Eusebie P., 384
Good, Robert A., 2190
Good, Thomas A., 1902
Gooddy, William, 2053
Gooder, Jennifer, 3381
Goodglass, Harold, 2421
Goodhart, C. B., 2755
Goodlin, Robert, 56, 821, 2394
Goodman, Harold O., 2387
Goodman, Hollace, 1516
Goodman, Joan, 34, 2602
Goodman, Morris, 181, 296
Goodman, Richard M., 32, 44, 3237
Goodman, Russell, 829
Goodman, S. I., 3091
Goodman, Stanley J., 400
Goodman, Stephen I., 1181
Goodstein, H. A., 1500, 2585
Goodwin, A. W., 2268
Gootman, Norman, 162
Gorbach, P. D., 2890
Gordon, Donald A., 591, 1537, 1681
Gordon, H., 268
Gordon, Michael C., 487, 2868
Gordon, Neil, 1170, 1374, 1686, 2427
Gordon, Norman G., 1533
Gordon, R. R., 445, 1940
Gordon, S., 1500, 1556
Gorlin, Robert J., 32, 44, 363
Gorman, John G., 1045
Gorrafa, Sheila, 1585
Got, M., 415
Gothefors, L., 940
Gotlin, Ronald W., 270, 2389, 2871
Gottfarb, Lillian, 791
Gottlieb, Jay, 722, 1516, 3512
Goulet, J. Richard, 2437
Goulon, M., 423
Gourville, Cyril B., 222
Goust, J. M., 130
Goutieres, F., 346, 2288,
Gouw, W. L., 2495
Goyal, Raj K., 182
Gozali, Joav, 723
Grace, Elizabeth, 445, 1391
Grad, E., 1216
Grady, George F., 149
Graebner, Robert W., 112
Graff, G., 3197
Graham, C. Benjamin, 3193
Graham, George G., 3030, 3115
Graham, James T., 589
Graham, John, 2739
Graham, Louella W., 589
Granat, Kristina, 3479
Granat, Sven, 3479
Grand, M. Gilbert, 911, 1864
Grand, Walter, 1285
Grant, D. B., 3037
Grant, E. H., 2222
Grantham, Elizabeth, 1669
Grantham-McGregor, Sally M., 3450
Grauaug, Alfred, 2845
Gravesen, J. J., 879
Gray, J., 2284
Gray, J. E., 1427
Gray, O. P., 1076, 1553, 2321, 2900
Graziani, L. J., 2363
Green, Frederick C., 2667
Green, Joseph B., 1172
Green, Josephine M., 3476
Green, Linda, 1700
Green, Marvin, 1810
Green, Orville C., 319
Green, Richard, 1522
Green, William R., 1462
Greenawald, K. A., 1712
Greenberg, Arnold H., 3030
Greenberg, Martin H., 1318
Greene, E. M., 2362
Greene, Keith R., 3291
Greene, Nicholas M., 2974
Greenfield, S., 964
Greensher, Arnold, 1443
Greensher, Joseph, 1105
Greenwold, Warren E., 699
Greenwood, Ronald D., 505
Greer, C. H., 1290
Greer, Harry A., 3362
Gregg, Ian, 1097
Gregg, Michael B., 1011
Gregory, G. A., 861
Gregory, Linda, 2566
Gresham, Edwin L., 359

Gretsky, Neil E., 1243
Griffen, Ward O., 1699
Griffiths, A. D., 185, 1198
Griffiths, D. A., 131
Griffiths, John, 2425
Griffiths, Margaret I., 1722, 1723, 2577, 2727, 3153
Griffiths, S., 25, 1585
Grimwade, James, 1332
Grinnell, T. Kelly, 509
Gripenberg, L., 2475
Gripenberg, Ulla, 2475
Griscelli, Claude, 2795
Grist, Norman R., 2923
Griswald, Karen, 1603
Grobstein, Rose, 3501
Grosbuis, S., 423
Grose, Charles, 1787
Gross, Nicholas J., 805
Grossman, A. B., 2240
Grossman, Dora, 3426
Grossman, M. S., 2639
Grotsky, Harold, 442
Grotz, R. Thomas, 2613
Grover, Warren D., 2020, 2258, 3063
Grubb, Jane, 745
Gruber, Howard S., 2406
Gruen, Gerald E., 3453, 3478
Gruenwald, Peter, 367
Grunnet, Margaret L., 2128
Grunwell, P., 3456
Gruskin, Alan B., 3063
Guerinot, Francoise, 2239
Guesry, P., 343
Guess, Doug, 3524
Guibaud, S., 1727
Guilleminault, Christian, 3255
Guinee, Vincent F., 118, 1981
Guinto, E., 3132
Gruen, Gerald E., 1574
Gruenberg, Ernest M., 1523
Grunspun, H., 1329
Grzegocki, J. A., 1422
Gubler, J. P., 1057
Gugler, E., 1136
Gump, Dieter W., 2938
Gumpel, Shirley M., 1059
Guntheroth, Warren G., 1468
Gunton, P. E., 1094
Gunzburg, H. C., 2711, 3584, 3585
Gupta, J. D., 1935
Gupta, J. M., 248, 249, 3191
Gurney, J. Michael, 919, 1129
Gusdon, John P., Jr. 1305
Gust, I. D., 1061, 1860
Gustafson, Anders, 1186
Gustavson, K. H., 1408, 3382
Gustot, P., 3354
Gutelius, Margaret F., 2590
Guterman, Andrea V., 2537
Guthrie, Robert D., 507, 2161, 3358
Gutman, A., 293
Gutmann, L., 2770
Gutteridge, J. M. C., 2854
Guttler, F., 1127, 1189, 3079
Guttman, R. D., 3140
Gwaltney, Jack M., Jr., 2793
Habash, Afif, 414
Habel, A. H., 918
Haberland, Catherine, 2265, 3262
Hable, K. A., 855
Haddad, J. G., 2445
Hadden, Diana S.M., 76
Haddock, Susan A., 1709
Haddow, James, 1901
Hadziyannis, St., 2044
Haerer, Armin F., 2415
Hagberg, B., 1012, 1292, 2250
Hagberg, G., 2250
Hagen, Chris, 1220
Hagenbuch, John J., 2097
Haggard, Mary Ellen, 1187
Haghbin, Mahree, 73
Haghighi, Parviz, 1240
Hagin, Rosa A., 566
Hagne, I., 3044
Hahnemann, Niels, 3433
Haigh, R. D., 2657
Haijamae, Hengo, 1210
Hainaut, H., 1193
Haines, J., 1704
Haining, Robert C., 2418
Hainsworth, Marian L., 2589
Hainsworth, Peter K., 2589
Haire, Margaret, 76, 155
Hakami, Nasrollah, 170
Hakas, Pavlos, 1959
Hakosalo, Jukka, 101
Hakui, T., 2196
Halbrecht, Issac, 3357, 3386
Halcomb, Charles G., 1546
Hall, A. J., 464
Hall, B., 489
Hall, Bertil, 1453
Hall, Bryan D., 406, 1318, 3193, 3200
Hall, Frances, 3082
Hall, G. H., 1194
Hall, Judy E., 542, 2606
Hall, Marion H., 2348
Hall, R., 3098
Hall, R. Vance, 659
Hall, Robert T., 2386, 3281
Hall, Sylvia, 1568, 1592
Hall, T. S., 1865
Hallal, R., 3049
Halldorsson, Saevar, 2467
Hallet, George W., 2247
Hallet, Patricia, 1572
Halliday, J., 426
Halliday, Norman Peter, 1073
Halonen, P., 1020
Halpern, Barry L., 2356
Haltalin, Kenneth C., 103
Haltia, Matti, 1138
Halverson, Dea, 2910
Hambidge, K. Michael, 270
Hambleton, G., 3210
Hambley, Judy, 3037
Hamblin, T. J., 2960
Hambling, M. H., 1777, 2944
Hambraeus, L., 883, 1012
Hamerton, John L., 784, 1417
Hamilton, E. I., 2882
Hamilton, Lewis A., Jr., 1311, 2309

Hamilton, Rebecca, 1824, 2780
Hamilton, Robert W., 159
Hammer, Richard H., 3324
Hammill, Donald D., 568, 710
Hammock, Mary K., 2344
Hammond, Keith, 2115
Hamrin, C. E., 146
Hanefield, F., 3036
Hanissian, A., 1032, 1838, 2031
Hanning, J. D., 726
Hansen, Holger, 3121
Hansen, J.D.L., 1184
Hansen, J. Molholm, 3313
Hansen, Philip, 530
Hansen, Shirley, 3143
Hanshaw, James B., 1916, 2939
Hanson, Ann, 1596
Hanson, J. S., 1930
Hanson, L. A., 940, 1827
Hanson, Rebecca A., 1365
Hanson, Ruth, 3006
Hara, Kimiko, 1284
Harada, S., 2196
Haram, K., 2979
Harcourt, Brian, 1301
Hardwick, D. F., 321
Hardy, George E., Jr., 851
Hardy, John D., 847
Hardy, Pat C., 1267
Harel, Shaul, 2230
Hargis, Charles H., 627, 2584
Haritos-Fatouros, Mary, 158
Harker, P., 1773, 3380
Harland, P. S. E. G., 3034
Harlap, Susan, 3181, 3376
Harley, J. B., 2770
Harley, J. D., 1091
Harnden, D. G., 494, 2545
Harner, Evelyn B., 2339, 3272
Harper, Peter S., 40, 3082, 3254
Harpey, Jean P., 3255
Harrer, William V., 2352
Harris, David J., 1449
Harris, Dorothy, 1001
Harris, Frank, 453
Harris, Gilbert J., 1483, 2392
Harris, Lloyd E., 2786
Harris, Nancy, 2447
Harris, Paul, 833
Harris, Roger J., 281
Harris, Ruth, 20
Harrison, M. J. G., 2053
Harrison, R. H., 1516, 1550, 1575
Harrison, Sue, 1700
Hart, Michael Noel, 2278
Hart, R. W., 1564
Harte, John D., 1829
Harter, Donald H., 2835, 2836
Harter, Susan, 547
Harth, Robert, 17
Hartlage, Lawrence C., 575
Hartley, S., 1606
Hartman, B. H., 2691
Hartofilakidis-Garofalidis, G., 351
Hartz, Stuart C., 3341
Harvey, Benson, Jr., 1376
Harvey, D. R., 1964, 1978, 3176
Harvey, Frederick H., 3164
Harvey, Jill, 3425
Hashi, Kazuo, 2390
Haskell, Simon H., 3522
Haslam, Robert H. A., 1273, 2007, 2249, 3289
Hass, Wilbur, 1509
Hassakis, Patricia, 1245
Hassan, A. I., 928
Haszi, Joseph, 662
Hatcher, Geofrey, 2706
Hatcher, John W., 64
Hathaway, William E., 2934
Haugen, David M., 1504
Hauhart, Richard E., 2861
Haukenes, G., 2979
Hauksdottir, Halla, 1441, 2467
Hausmann, Lothar, 2472
Haust, H. L., 1171
Hauwaert, Jan Van, 1165
Havel, Richard J., 269
Hawcroft, Janet, 3022
Hawk, J., 1846
Hawkes, R. A., 3586
Hawkins, D. F., 1000
Hawley, H. Bradford, 2938
Haworth, J. C., 994
Hay, D. N., 716
Hayashi, Yasuaki, 2236
Hayes, Kathleen, 1059, 1979, 2802
Haymond, Morey W., 2859
Haynes, D. W. G., 1922
Haynes, David, 2064
Haynes, Ralph E., 858, 859, 975, 1875, 1904, 3541
Haynes, W.S., 5
Haywood, H. Carl, 3457
Hazel, Bernard, 2155
Haziewood, C. F., 1159
Head, J. James, 2035
Headington, John T., 2809
Heal, Laird W., 3491
Heasley, Suzanne V., 1709
Heath, Clark W., 455
Heath, G. G., 523
Hebert, Annette, 3145
Hecaen, H., 234
Hecht, F., 48, 1241, 1714, 1762, 2469, 2520, 2530, 3163
Hedley-White, E. Tessa, 2729
Heek, Ernest B., 15
Heffelfinger, John C., 3307
Hegarty, Michael, 1678
Heggarty, H., 2856
Heineman, Herbert S., 1878
Heinonen, Olli P., 3341
Heinrich, J. J., 1132
Heintges, M. Geraldine, 2732
Helbig, Donald W., 1478
Helcl, J., 2873
Held, Berel, 815, 987
Helfenstein, Myrna, 2201
Helfer, Ray M., 2101
Helfgott, J., 1500
Heller, Richard M., 2249
Hellman, C. David, 427
Hellstrom, B., 29, 2298
Helsel, Elsie, 3561
Helsinger, Franklin S., 230

Helwig, H., 3205
Henderson, B. E., 916
Henderson, J. F., 2193
Henderson, Norman D., 2613
Hendley, J. Owen, 2793
Henker, Barbara A., 702
Henkin, Robert I., 2214
Henle, G., 916
Henle, W., 916
Henningsen, Gitte Juel, 28
Henningsen, K., 456, 1392
Henry, J. B., 1712
Henry, P., 517
Hensen, Sally A., 2973
Herbert, D. H., 2842
Herbertson, Richard M., 2061
Herishanu, Y., 1820
Herman, S., 3208
Hernandez, Guillermo C., 2853
Hernandez, Jacinto, 2316
Hernandez, Rosemarie, 125
Herndon, James H., 2357
Herndon, R. M., 1915, 2126, 2254, 3110
Herr, H. M., 3393
Herrick, Norma, 3071, 3145
Herriot, Peter, 594, 2561, 2599, 2705
Herrmann, Jurgen, 1261
Hers, H. G., 2847
Herschkowitz, N., 309, 1227, 2241, 3055, 3481
Hersh, Theodore, 182
Hershman, J. M., 1191
Hertzig, Margaret E., 2588, 3137
Hervei, Charlotte, 3116
Herz, Fritz, 175
Herzog, Georgeta, 2918
Heston, Lee, 976
Heusden, A., 1203
Hewitt, William L., 974
Hey, Edmund, 357
Heyworth, B., 2917
Hiatt, Wilks O., 2942
Hibbard, Lester T., 2893
Hibi, Satoshi, 219
Hickey, Richard J., 2339, 3272
Hicsonmez, Gonul, 2364
Hide, D. W., 1286
Hierholzer, John C., 1814
Higgins, James V., 2197, 3435
Higurashi, Makato, 2552, 3375
Hilden, M., 1124
Hiles, Richard A., 1181
Hilgartner, Margaret W., 2413
Hill, Geoffrey, 3127
Hill, Hoyle D., Jr., 798
Hill, M. W., 2199
Hill, Reba Michels, 3342
Hilleman, Maurice R., 82, 835, 842, 1877, 2853

Hillenbrand, Peggy, 2255
Hillman, Richard E., 3043
Hillsman, Gladys M., 756
Hilty, Milo D., 858, 975, 1875, 1905, 3541
Hindemann, P., 2788
Hinkel, G. K., 188, 887
Hinkley, Clark M., 64
Hinman, Alan R., 932
Hinze, Gabriele, 385
Hirano, Asao, 1214, 3161
Hirose, Genjiro, 2256
Hirsch, Martin S., 2952
Hirsch, W., 2518, 2731
Hirschhorn, Kurt, 442, 488, 1713, 2523, 3426
Hirshaut, Yashar, 963
Hirvonen, Toivo, 944, 2333
Hix, I. E., Jr., 1272
Ho, Oi Lan, 3019
Hoag, Roger W., 794
Hoak, John C., 1711
Hoats, David L., 1499
Hobbins, John C., 2725
Hobbs, J. R., 155
Hobel, Calvin J., 2355, 2372
Hobson, Derek, 2889
Hochberg, Charles J., 2810
Hochman, H. J., 1414
Hochwald, G. M., 1309
Hocking, D. R., 1096
Hodge, J. S., 2850, 3243
Hodgkin, William E., 2877
Hodson, W. Alan, 1266, 2313
Hoefnagel, D., 1202, 2392
Hoenig, Eugene M., 2186
Hof, H., 2265
Hoffer, M. Mark, 1235
Hoffman, Eileen, 2736
Hoffman, P. H., 1422
Hoffman, Stephen F., 466
Hofmeister, Alan, 626
Hofmeister, F. J., 1040
Hogan, David, 2780
Hogan, Donald D., 580
Hogan, Gwendolyn R., 377, 3286
Hohlmuth, Jerome, 640
Holcomb, Robert, 1376
Holdaway, David, 2692
Holden, Constance, 771, 1703
Holden, Edward A., Jr., 1496
Holden, Kenton R., 2159, 2576
Holden, Raymond H., 142
Holder, Angela R., 1099, 1111, 2701
Holder, John C., 2014
Holder, Thomas M., 2386
Holland, P. V., 894, 1967, 2012
Holland, Roxie, 2956
Hollander, C. S., 2179
Holley, Marshall R., 833
Hollinger, F. Blaine, 182, 2023
Hollingsworth, Dorothy R., 300
Hollis, John H., 520, 1474, 3489
Holloway, Susan, 69
Hollowell, Joseph G., 455
Helm, William W., 2312, 2385
Holmes, A. William, 1011
Holmes, Grace E., 2572
Holmes, J. C., 2338
Holmes, Lewis B., 482, 1762, 2272, 2398
Holmgren, G., 483
Holmgren, J., 1827
Hollmuth, Jerome, 43

Holm, V., 3394
Holmes, George E., 2907
Holmes, L. B., 3238
Holowach, Jean, 2440
Holowach-Thurston, Jean, 2861
Holst, Hans-Eric, 824
Holstein, Stanley B., 2071, 3007
Holt, E. M., 2885
Holzel, A., 2949
Holzer, S., 2500
Holzman, G. B., 2307
Hommes, F. A., 305, 3056
Hommes, O. R., 2426
Honeyman, Margo C., 895, 938
Hong, Richard, 2163, 2794
Honigsberger, Leo, 3001
Hooft, C., 271
Hooper, W. D., 2424
Hooyen-Bosma, E., 2245
Hopf, H. C., 2243
Hopkins, David, 1301
Hopkins, I. J., 997, 2842
Hopkins, Jill M., 1288
Hopps, Hope E., 1030
Horn, D. B., 2762
Horn, Mary E. C., 1097
Horne, Herbert W., Jr., 1873
Horner, F. A., 2033
Hornet, T., 246
Hornick, Richard B., 873
Horoupian, Dikran S., 1236, 3161
Horowitz, Roy, 1105
Horstmann, Dorothy M., 990
Horta-Barbosa, Luiz, 84, 1032, 1771, 1866, 2780
Horton, William A., 291, 1449
Horwitz, Samuel J., 1212
Horyd, W., 432
Hoschl, R., 2958
Hoshino, Takashi, 1384
Hosmer, Marion E., 2353
Hossaini, Ali A., 167
Hosty, Thomas S., 2777
Houck, Peter W., 1027
Housden, A., 1193
House, Roy F., Jr., 2786
Housset, E., 145
Houston, I. B., 2748
Howard, Donald, 2391
Howard, Gail A., 1611
Howard, P. N., 3391
Howe, Robert B., 161
Howell, Mary C., 2093
Howell, R. Rodney, 2221
Hower, J., 3201
Howie, James, 783
Howie, R. N., 2407
Howie, V. M., 964
Howieson, John, 1699
Hoyes, A. D., 787
Hrbek, A., 3216
Hryniuk, William, 1010
Hsia, D. Y. Y., 2482, 2483
Hsu, Konrad C., 2835, 2836
Hsu, Lillian Y., 442, 488, 1432, 1713, 3426
Hualt, G., 1058
Hubbell, H. R., 2724
Hubner, H., 2551
Hudgson, P., 2135
Hudsen, Barbara W., 227
Hudson, F. P., 1779, 2922, 3022
Hue, L., 2847
Huff, Dale, 3063
Hug, George, 280, 1748
Hughes, Charles P., 3159
Hughes, D. T., 25, 465
Hughes, James R., 992
Hughes, P.C.R., 701
Hughes-Davies, T. H., 1345
Hughes-Jones, N. C., 2881
Hui, Ferdinand W., 3257
Hulet, Andre E., 2410
Hull, Alan R., 3141
Hull, David, 357
Hultberg, Bjorn, 2266, 3085
Hulton, Maj, 459
Humbel, R., 256
Hume, D. M., 907
Hummeler, Klaus, 957
Hunninghake, Donald B., 3147
Hunt, Carl E., 2297
Hunt, Gillian, 3247
Hunt, J. MCV., 3463
Hunt, Trevor M., 2460, 3417
Hunter, D., 3367
Hunter, John, 183, 1367
Hunter, Richard, 2234
Hurley, Rosalinde, 1056, 2874
Hurvell, Bengt, 95
Hurwitz, L. J., 336
Huskins, Dennis G., 1697
Hussein, M., 928
Hussels, Irene E., 2221
Hustinx, T. W. J., 3421
Hutchinson, Judith R., 40
Hutchinson, Sybill, 1436
Hutchinson, James H., 303
Hutt, Max L., 562
Huttenlocher, Peter R., 431, 958, 2218, 3469
Hutton, W. Oran, 2996
Hyman, Charles J., 1715
Hyvarinen, Marcia A., 2372

Iandoli, Marie, 1222
Iane, Richard P., 551
Iappalainen, J., 2567
Ibrahim, A. B., 1960
Ibrahim, Michel, 933
Ibrahim, Mohamed A. M., 2292
Iivanainen, M., 392, 3102
Ikeuchi, T., 2734
Ikossi, Maria G., 2861
Ikram, H., 3109
Illingworth, R. S., 519, 525, 790, 3591
Illis, L. S., 915
Ilson, Jerome B., 1222
Im, Hae Sook, 313
Imai, Mitsunobu, 936
Imamoglu, Ilhan, 2364
Indriksons, A., 3352

Ingalls, Theodore H., 990, 1405, 1873
Ingelfinger, F. J., 1692, 1702
Ingenbleek, Y., 1120
Inglis, Hamish, 1097
Inglis, J., 1890
Ingomar, Carl J., 862
Ingram, F., 321
Ingram, T. T. S., 3014
Inhorn, S. L., 2542, 3348, 3352, 3365
Inman, J. E., 1040
Inoue, Susumu, 3413
Inoue, Y. Kanda, 953
Insley, J., 1719
Ionasescu, Victor, 1164, 2120
Ionesco, I., 246
Ipp, T., 1200
Irwin, Gilbert R., Jr., 1946
Isacson, Peter, 857, 933
Isenberg, J. Nevin, 2799
Ishida, N., 1859
Ishino, Hiroshi, 2236
Isaacs, Jacob L., 2104
Isaacson, Robert L., 2592
Issacs, Susanna, 2089
Issarescu, S., 2023
Itiaba, K., 1182, 2172
Ivanyi, L., 1003
Iversen, Torben, 879
Iwakata, S., 908, 1791
Iwase, Katsuhiko, 1284, 1289
Iyer, G. V., 2125

Jabbour, J. T., 985, 1032, 1824, 1838, 1866, 2031
Jack, Ian, 2802
Jackson, A. A., 2924
Jackson, A. D. M., 3036
Jackson, J., 2005
Jackson, John F., 2489, 2562
Jacob, David, 503
Jacobs, D. S., 2844
Jacobs, J. Walter, 588
Jacobsen, Carl D., 1711
Jacobsen, J., 891, 995, 2851
Jacobsen, Jorgen, 165
Jaffe, Robert B., 373
Jagenburg, R., 1185
James, A. Everette, Jr., 1256, 3169, 3299
James, C. C. Michael, 382
James, John A., 2275
James, L. Stanley, 1270
James, Raymond J., 1595
James, Vernon, 360
James, W. H., 3245
Jameson, B., 2969
Jamieson, Adele, 935
Jamison, Colleen B., 555
Jammes, Juan L., 1465, 3238
Jancar, J., 1368
Janerich, Dwight T., 389
Jarmerot, Gunnar, 1897
Jarvik, Lissy F., 1440
Jarvis, Charles W., 2056
Jaulmes, Bernard, 2968
Jayakar, S. D., 459
Jeansson, Stig, 1939
Jeavons, P. M., 2432, 2442
Jeffree, Dorothy M., 697, 1560
Jelliffe, Derrick B., 919, 1129
Jellinger, K., 21
Jellum, Egil, 2183
Jenkins, Edmund C., 288
Jenkins, Joseph R., 1585
Jenkins, Ramon B., 3304
Jenkison, Margaret, 2135
Jenkyn, J., 3369
Jennett, Bryan, 1103, 1106, 3000, 3235
Jennett, Shelia, 1102
Jennings, A. N., 1467
Jennings, Anne E., 1855
Jennings, E. R., 169
Jensema, Carl J., 1680
Jensen, Arthur R., 1480
Jensson, Olafur, 2467
Jequier, Michel, 1798
Jeresaty, Robert M., 1379
Jerome, H., 255
Jeske, J., 2551
Jesse, Mary Jane, 2401
Jewelewica, Raphael, 405
Jhaveri, Banoo M., 3120
Jhaveri, Ramesh, 3199
Jinks, J. L., 2582
Job, C. K., 2125
Jodal, U., 1827
Johansen, K., 3394
Johanson, Ann, 399, 2376
Johansson, E. D. B., 172
John, Fay M., 2727
Johns, Nan, 752
Johnson, A. L., 428
Johnson, A. Myron, 2293
Johnson, Anne B., 1214, 2032
Johnson, Barbara B., 1709
Johnson, C. B., 3365
Johnson, Charles F., 2215, 2224, 3452
Johnson, J. D., 1582
Johnson, John T., 472, 586
Johnson, K. E., 1485
Johnson, Kenneth P., 980
Johnson, Lois B., 846
Johnson, Nancy S., 3488
Johnson, P., 861, 3275
Johnson, R. T., 981, 1898, 1915, 2254
Johnson, T. D., 1099
Johnson, Virginia P., 359
Johnson, Warren R., 1555
Johnson, William G., 3136
Johnson, William W., 2822
Johnston, A. W., 3418
Johnston, D. I., 3218
Johnston, E., 2550
Johnston, P. G. B., 2920
Johnstone, M., 2349
Jonasson, J., 1452
Jonasson, Lars Erik, 172, 1014, 1726
Jones, Ben, 574
Jones, C. E. M., 3206

Jones, D. C., 1650, 2670
Jones, D. E. Darnell, 3194
Jones, Elizabeth M., 2861
Jones, Howard W., 1717, 2376
Jones, J. J., 1158, 2140
Jones, Lilian F., 458
Jones, Margaret H., 1245
Jones, Marshall B., 381
Jones, O. W., 3385
Jones, Philip R., 699
Jones, Walter S., 142
Jonson, Bjorn, 3265
Jonsson, B., 1353
Jonxis, J. H. P., 3107
Jordan, Harold V., 511
Jordan, John E., 1633
Jordan, Joseph A., 78
Jordan, M. Colin, 1872
Jordan, William S., 3320
Jorgensen, Jan, 178
Jorgensen, K. R., 1923
Jorgensen, P. I., 2573
Jose, David G., 2190
Josephson, David A., 3166
Joshi, Vijay V., 1251
Jounela, A. J., 2164
Jouppila, Pentti, 24
Joyce, D. N., 2643
Joyner, Edmund N., 2103
Juberg, Richard C., 427
Judelsohn, Richard G., 1864
Judge, Cliff G., 1454
Juif, J. C., 251
Julien, J., 517
Jung, M., 902, 1078
Jungjohann, Eugen, 3519
Just, Max, 125
Justice, Parvin, 2482
Justice, R. S., 721, 2684

Kaback, M. M., 2126, 2720, 2765
Kackell, Mathilde Y., 893
Kackell, Y., 2846, 2852
Kadar, Andrew, 1825
Kafuko, G. W., 916, 921
Kagwa-Nyanzi, Juanita A., 2055
Kahn, Eric J., 1792
Kahn, Harris, 673
Kaiser, H. J., 3076
Kajii, Tadashi, 450, 2486
Kalder, J., 1061
Kaldor, Jakov, 477, 1860
Kalicanin, Predrag, 2485
Kalin, A., 1328
Kalish, Richard A., 2661
Kalyanaraman, K., 2119
Kamme, Carl, 102
Kammholz, Larry P., 1902
Kan, Yuet Wai, 869
Kandall, Stephen R., 2017, 2374
Kane, Rolf, 2744
Kanef, David M., 963
Kanengoni, E., 1158, 2140
Kang, Ellen S., 2157, 2208
Kanjilal, G. C., 3400
Kenski, M., 2551
Kantor, Neil M., 2054
Kaplan, Albert S., 508, 1025, 1963
Kaplan, Eugene, 175
Kaplan, Joseph, 2014
Kaplan, M., 152
Kaplan, Norman R., 2741
Kaplan, S. A., 3383
Kaplan, Samuel D., 3105, 3232
Kaplan, Solomon, 508
Kapor-Stanulovic, Nila, 803
Kappauf, William E., 3459
Karaboula, Katherine, 2047
Karageorga, Markesia, 2176
Karam, John H., 2441
Karan, Orv C., 2636
Karch, S. B., 2285
Karchmer, Adolf W., 2952
Kardon, Nataline B., 1432, 3426
Karecki, Hanne, 1605
Kariks, J., 1088
Karl, Irene E., 2859
Karlberg, P., 3216
Karlowsky, R., 2365
Karlsberg, Robert O., 848
Karp, Barry, 1510
Karpati, George, 2264, 3437
Karpatkin, Margaret, 2375
Kartye, Joseph, 590
Karzon, David T., 989
Kasel, Julius A., 1812
Kaser, Hans, 1929
Kaski, Ulla, 1413
Kaspar, Joseph C., 322
Kass, E. H., 202
Katayama, K. Paul, 1717
Kater, L., 942
Katsaros, E., 2991
Katz, J., 1200, 1985
Katz, M., 2846, 2852
Katz, Phyllis A., 1510
Katz, Samuel L., 2830
Katz, Sidney, 2613
Katznelson, Mariassa Bat-Miriam, 1249, 2481, 3237
Kaufman, Benjamin, 1212
Kaufman, Charlotte S., 718
Kaufman, Herbert E., 2050
Kaufman, Melvin E., 654, 3519
Kaufman, Raymond H., 1044
Kaufman, Robert L., 2771
Kaufman, Seymour, 2208
Kauko, K., 2454, 3318
Kaveggia, E., 2868
Kay, Jacob L., 1027
Kaye, Irwin S., 839
Kaye, Robert, 957
Kazazian, Haig H., Jr., 2977
Keane, Evelyn, 1678
Keating, James P., 3043
Kedziora, J., 2551
Keegan, David, 2436
Keenan, William J., 1051, 1795
Kegel, Jurgen, 814
Keilman, Peggy A., 3498
Keipert, James A., 3335
Kellas, George, 3488
Kelley, Jonathan E. T., 3169

Kelley, Vincent C., 1370, 1476
Keitel, Hans G., 2383
Kelch, Robert P., 449
Keller, P. J., 60
Kelley, Florence M., 2100
Kelley, W. N., 2193
Kelsey, Frances O., 2931
Kemp, F. H., 3380
Kempe, C. Henry, 2099
Kemper, Thomas L., 2930
Kendall, Norman, 176
Kennedy, J. F., 1675
Kennedy, Wallace A., 2638
Kennell, John H., 2354
Kenny, Frederic M., 319
Kenny, Thomas J., 227, 2088
Kenyon, Kenneth R., 3077
Kenyon, V. G., 2643
Keogh, Barbara K., 224, 530
Kepes, John H., 929
Kerkay, Julius, 468
Kero, Pentti, 2333

Kerpel-Fronius, Edmund, 3116
Kerr, Charles, 3297, 3484
Kerr, D. N. S., 2957
Kerr, George, 1645
Kerr, Margaret M., 303
Kerr-Grant, Donald, 205
Kershnar, Ann K., 2878
Kershner, John R., 2596
Kettyls, G. D., 909
Keyes, Paul H., 511
Keyes, Thomas F., 974
Khalil, M., 3062
Khan, A. A., 1168
Khandekar, J. D., 899
Khazin, Aida F., 414, 2359
Khodadoust, Ali A., 1240
Khouri, F. P., 3129
Khudr, Gabriel, 3397
Khunda, Simon, 47
Khuri-Bulos, Najwa, 2933
Kieffer, Julie, 209
Kies, Marian W., 2948
Kihara, Hayato, 347, 696, 2167
Kim, Chong Bin, 2822
Kimberling, W. J., 2530
Kime, James S., 3195
Kindt, Charles W., 1051
King, Barry G., 115, 1053
King, Cathy, 2214
King, Charles R., 291
King, Elena A., 2872
Kingsley, Ronald F., 1579, 2605
Kinkel, Arlyn W., 2437
Kint, J. A., 271, 3146
Kintzel, H. W., 188, 887
Kiossoglou, Kosmas A., 1204, 2047
Kirby, William M. M., 2976
Kirkland, John L., 1117
Kirkland, Rebecca, 1117
Kirkpatrick, Charles H., 929
Kirman, Brian H., 707, 795, 2501
Kirsch, Arthur D., 2590
Kirya, B. G., 916
Kissane, John, 3284
Kitau, M. J., 2325
Kitchen, W. H., 410
Kitterman, J. A., 861
Kivimaki, T., 2164
Kjellin, K. G., 29
Kjellmer, Ingemar, 1186, 3216

Klastersky, J., 1833, 1949
Klatskin, Gerald, 2880
Klaus, Marshall H., 2354, 2406
Klebe, Joachim G., 862
Kleihues, P., 122
Klein, F., 256
Klein, Gary A., 3472
Klein, George, 2408
Klein, Helen A., 3472
Klein, Jacob, 1041
Klein, Max, 2396
Klein, Richard M., 2647
Klein, Robert, 2824
Kleinberg, Warren, 2612
Kleine, Norbert, 2967
Kleinebrecht, J., 2498
Kleinman, Leonard I., 1252
Kletter, B., 38
Kline, E., 1774
Klingberg, Marcus A., 13
Klinken, Leif, 28
Klock, Lawrence E., 986, 1847, 2061
Knapp, A., 266
Knauss, Thomas A., 2449
Knight, Mel, 719
Knopf, Eddi D., 1495
Knox, J. D. E., 2433
Knudson, Alfred G., Jr., 3131
Knutson, Susan, 176
Kobos, Katherine, 1892
Koch, Richard, 9, 3040, 3052
Koen, Ann L., 296
Koenigsberger, M. Richard, 2801
Kogan, Kate L., 2603
Kohlberg, I. J., 1137
Kohler, L., 824, 886
Kohler, Peter F., 339, 1983
Kohler, Peter Q., 2117
Kohler, William C., 2456
Kohli, Chander M., 2416
Kohn, Patricia, 3381
Kohrman, A. F., 2197
Koivisto, Maila, 996, 3361
Kokaska, Charles J., 677
Kolar, Oldrich J., 3166
Kolderie, Mary L., 340
Koler, Robert D., 3163
Koluchova, Jarmila, 2581
Komlos, Luise, 3357, 3386
Komrower, G. M., 820, 3033
Konigsmark, Bruce W., 3289
Konjajev, Z., 1078
Kopelman, A. E., 3545
Kopito, Louis, 840, 1901
Kopper, E., 60
Koprowski, Hilary, 893
Korf, Bruce R., 2717
Korn, Max, 3557, 3568
Kornfeld, Mario, 2262
Korones, Sheldon B., 2296
Korte, John, 3453
Korten, J., 2898

Koslowski, H., 887
Kosseff, Andrew L., 1261
Kotasek, Alfred, 1706
Kouvalainen, K., 955, 2567
Kovacs, Diane, 1671
Kovacs, M., 2514
Kovar, Ilya, 1978
Kovnat, Paul J., 201
Kozinn, Philip J., 1426
Kozlowski, K., 2323
Kraemer, K. H., 2259
Kraft, Edith, 2201
Krasnicka, Z., 325
Kraus, J., 3573
Krause, Ulf, 996
Krauss, Alfred N., 2862, 3230
Krauss, Stephen, 240
Kraybill, Ernest N., 969, 2316
Kraus-Ruppert, R., 2241, 2242
Krech, U., 902, 1078
Kreines, Kenneth, 1386
Kreisler, L., 214
Krentz, Michael J., 782
Kretchmer, Norman, 3444
Krieger, Dorothy T., 278
Krieger, Ingeborg, 1307
Kristensen, Mogens, 2443
Kritzinger, E. E., 1158, 2140
Krivit, William, 2297, 3147
Krmpotic, Eva, 444
Kronfel, Nabil M., 414
Krovetz, L. Jerome, 2306
Kruger, H., 306
Krugman, Saul, 6, 132, 1785, 1862, 2803
Kretschmer, R. R., 2251
Krstic, A., 3402
Krukow, N., 892
Kucera, Jiri, 493, 1412
Kucharska, K., 2323
Kuenssberg, E. V., 2433
Kugel, R. B., 12
Kuhl, W., 3132, 3134
Kulovich, Marie V., 2359
Kumahara, Yuichi, 310
Kumana, C. R., 2925
Kumar, Bharat B., 3151
Kumar, Mary L., 1913
Kumar, Vijay, 2115
Kuniya, T., 2196
Kunkel, L. M., 3393
Kunnas, Marjatta, 881
Kupresanin, Milan, 810
Kurjak, Asim, 1710
Kurland, Leonard T., 2932
Kurtz, J. B., 941
Kushlick, Albert, 1641, 2687
Kushnick, Theodore, 1387, 2013, 2040, 2041
Kutt, Henn, 2413, 3330, 3338
Kuzemko, J. A., 1606, 3175, 3283
Kuzma, Jan W., 2356
Kreb, Helen M., 1771, 1866

Labbe, Robert F., 2418
Labzoffsky, N. A., 908, 1791
Laca, Zivana, 2485, 3410
Lacey, Daniel, 225
Lachance, Roger, 503
Lachman, Ralph S., 3285
Lackner, L. Henry, 3186
Lacks, Patricia B., 1610
Laessig, Ronald, 3071
LaFont, Donald S., 973
LaFontaine, Louise, 1494, 2600
LaForce, F. Marc, 2035
Lafourcade, Jacques, 3255
Lagerberg, Dagmar, 3212
Lagos, Jorge C., 1359
Lai, S., 2766
Laing, Alice F., 1517
Laipio, M. L., 3090
Laitinen, Ossi, 2817
Lajoie, R., 127
Lake, B. D., 2216
Lakoff, Kenneth M., 1041
Lama, Shari, 2036
Lamarche, Jacques B., 2948
Lambert, Peter M., 2927
Lambotte, C., 273, 1193
Lamm, Steven, 1344, 2981
Lampe, John M., 638
Lampert, Kenneth J., 3193
Lampert, Peter W., 2253
Lancet, M., 3197
Lander, Jerrold J., 875, 894, 1385
Landers, William F., 1546
Landis, John, 553
Landrigan, Philip J., 1864, 1909, 2879, 3220
Langdon, David E., 2187
Langlands, A. O., 494
Langley, Jan, 2583
Langsford, W. A., 2844
Lanning, Edward W., 2647
Lantorp, Kurt, 1897
Lanzi, G., 265
Lanzkowsky, Philip, 162
Larbre, F., 254
Lardinois, C., 1707
Largajolli, G., 1932
Laron, Z., 1414
Larregue, M., 152
Larroche, Jeanne-Claudie, 418, 2283
Larrouy, J., 152
Larsen, Sharon N., 2995
Lassen, Niels A., 2423
Lathe, G. H., 1072
Laughton, Reginald, 1579
Launay, Clement, 398
Laurance, B. M., 99
Laurence, K. M., 353, 2380
Laurent, Colette, 3389
Laursen, Baekgaard H., 2886
LaVeck, Gerald D., 828, 1532
Laverdant, Charles, 1786
Lavigueur, H., 239
Lavy, S., 1820
Lawrence, Wayne, 590
Lawton, Alexander R., 154
Lax, R., 3384
Laxova, Renata, 454, 3234
Leach, Fay, 613

Leahy, William R., 3136
Leake, Rosemary D., 2402
Le Balle, J. C., 1192
Leboeuf, G., 2539
Lebovitz, Harold E., 3125
Lechter, Mortimer, 2420
Lecky, James W., 173
Lecours, Andre-Roch, 2930
L'Ecuyer, Jerome L., 556
Ledger, William J., 2809
Ledley, R. S., 2726
Leduc, Leslie, 2023
Lee, J. A., 1965
Lee, D. H., 3086
Lee, J. C., 3360
Lee, James H., 1878
Lee, K. H., 1300
Lee, Lynda G., 2562
Lee, Stanley L., 2548
Lee, Yhu-Hsiung, 2829
Leeber, Donald A., 3141
Leech, Richard W., 3280
Leedom, John M., 988
Leek, A. E., 2325
Lefebvre, Elizabeth Borrone, 2418
Lefebvre, Y., 350
Leffman, Henry, 3259
Lefkowitz, Lewis B., 989
Lefroy-Owen, Peter, 1554
Legat, C., 1203
Lehner, T., 1003
Lehrer, Robert I., 991
Lehrke, Robert, 2557, 2560
Leiderman, P. Herbert, 3501
Leifer, Aimee D., 3501
Leigh, Donald A., 203
Leigh, L., 906
Leisti, J., 3372
Leiter, Elliot, 488
Lejarraga, H., 1356
Lejeune, Jerome, 474, 512
Lele, P. P., 2532
Lemire, Ronald J., 2388
Lemke, Elmer A., 553
Lenard, H. G., 3047, 3076
Lenn, Nicholas J., 3138, 3148
Lennette, Edwin H., 925, 1021, 1033
Lentz, George A., 227
Leonard, Claire O., 1736
Leonberg, S. C., 337
Leonidas, John C., 2386
Leppert, Phyllis C., 1882
Lerman, P., 2257
Lerner, A. Martin, 2905
Lerner, Phillip I., 980
Leroy, Jules G., 2410
Leruth-Fafchamps, 273
Lester, R., 2199
Letarte, J., 2539
LeVann, Leonard J., 706
Leveau, Phillipe, 1238
Levett, Lisbeth M., 1581
Levi, Helene S., 1243
Levi, J., 3066
Levi, S., 3354
Levin, B., 421, 3072
Levin, Michael, 2398
Levin, Seymour R., 2441
Levin, Stanley, 13
Levine, Mark C., 2429
Levine, Seymour, 2186
Levitsky, David A., 313
Levitsky, L. L., 2639
Levy, Donald L., 1043
Levy, Edith P., 3288
Levy, Harvey L., 2213
Levy, Irwin S., 593
Levy, Joel, 1655
Levy, Joseph, 1249
Levy, Nelson L., 1954
Lewis, A. B., 3399
Lewis, A. R. J., 533
Lewis, C. J., 3301
Lewis, James A., 3337
Lewis, Jerome G., 1147
Lewis, Michael, 2610
Lewin, D., 239
Lewin, Peter K., 35, 506
Lewin, Walpole, 3247
Lewkonia, I. K., 2924
Ley, Anita C., 2028
Leyko, W., 2550
Lezine, Irene, 3502
Li, Yu-Teh, 3075
Libb, J. Wesley, 569
Libert, Paul, 933
Libkuman, Terry M., 2594, 3473
Librik, Leon, 1117
Lickiss, J. Norelle, 1423
Lidin-Janson, Gunilla, 1005, 2858
Lie, Sverre O., 298, 299, 3051, 3065
Lieber, Ernest, 3199
Lieberman, Allan, 557, 1114
Liebhaber, Harvey, 990
Liedholm, M., 3216, 3371
Liggins, G. C., 2407
Light, Irwin J., 1795
Lightner, David A., 876
Lim, Ramon, 1104
Lin-Fu, Jane S., 2828
Lincoln, K., 1827
Lind, J., 1930
Lindberg, Tor, 1453
Lindberg, U., 1827
Linde, J., 3313
Lindholm, Karin, 2327
Lindquist, B., 277, 2170
Lindsay, David G., 2459
Lindsay, Gavin, 283
Lindsay, Janet, 2444
Lindsey, J. Russell, 3110
Lindsjo, Agneta Lindsten J., 459
Lindsten, Jan, 1452, 2463
Lin-Fu, Jane S., 2008
Lines, D. R., 3096
Ling, Chung M., 921, 2011
Link, Hans, 1832
Linker, Alfred, 3080
Linnemann, Calvin C., 845, 2940
Linshaw, Michael, 3063
Lion, Marcos F., 2478
Lippe, Barbara M., 508, 3416
Lipshaw, Leon A., 2728
Lisak, Robert P., 2948
Lischner, Harold W., 2020

Lisker, R., 3095
Lister, James, 3269
Litt, Iris F., 959
Little, Harry A., 635
Little, T. M., 3332
Littlefield, John W., 1760
Littlefield, L. Gayle, 455
Liu, David T. Y., 2329
Liu, Paul I., 1384
Liversedge, L. A., 1937, 1988
Livingston, Samuel, 3331
Liya, Durmus, 141
Llerena, Marcelo, 3032
Lloyd, E. L., 1339, 2291
Lloyd, S., 358, 3252
Lluch, M., 3378
Lo, D., 2840
Lobes, Louis A., Jr., 1886, 2955
Lobo, E. de H., 268
Lobo-Antunes, Joao, 979
Locke, Bill J., 693, 694
Lockman, Lawrence A., 2910, 2936, 3147
Lodge, Ann, 1320
Loeb, H., 271
Loeffelholz, P., 2550
Leoning, W. E. K., 1143
Loesch, Danuta, 2730, 3403
Loeser, John D., 2314
Loewe-Lyon, S., 512
Loewenson, Ruth, 158, 1883, 1959
Logan, G. B., 855
Logan, Robert W., 303, 3082
Logothetis, John, 158, 1883, 1959
Loirat, C., 342
Loken, Aagot Chr., 299
Lombroso, Cesare T., 2421, 3158
Lommen, E. J. P., 275, 3100
London, P. S., 3004
London, W. T., 1448, 1842, 2004
Long, Huey B., 3525
Longson, Maurice, 1937, 1988
Lonsdale, Derrick, 2146
Loop, John, 3164
Lopez, Raul I., 1855
Loraine, J. A., 1945
Lorber, John, 3249, 3273
Lord, Ralph A., 2779
Lormeau, G., 422
Losin, Sheldon, 470
Losowsky, M. S., 3157
LoSpalluto, Joseph, 2145
Lott, Ira T., 2491, 2555
Lou, Hans Olav Christensen, 307
Loughnan, Peter M., 2789
Lougovoy-Visconti, J., 350
Louis, Sydney, 2448, 3330, 3338
Louro, Jose M., 2556, 3362
Lovejoy, Frederick H., Jr., 3240
Lovell, Keith E., 2826, 3300
Lovett-Doust, J. W., 2909
Lovibond, S. H., 2991
Lovrien, Everett W., 2469
Low, J. A., 3099
Lowden, J. Alexander, 2134, 3325
Lowe, C. R., 14, 358, 1761, 2758, 3306
Lowell, Lois K., 2740
Lowenthal, A., 1823
Lowman, James T., 2163
Lowry, R. B., 1174
Lozar, Barbara, 1509
Lubchenco, L. O., 1271, 1272
Lubell, Harry, 1310
Lubin, Bertram H., 191
Lubs, H. A., 2726
Luby, James P., 967, 2029, 2145
Lucareilli, P., 1879, 2849
Lucas, C. J., 901
Lucas, Marilyn S., 537
Lucas, Mary, 2523, 2553, 2563
Lucey, Jerold F., 2827
Lui, W. Y., 998
Lund, Curtis J., 2810
Lund, H. T., 891, 1128, 2851, 3041
Lundborg, P., 2541, 3371
Lundgren, Kaj, 102
Lunn, P. G., 2180
Luthardt, Fred W., 448
Lux, W. E., Jr., 1309
Lylloff, Kirsten, 1784
Lynn, Robert, 1376
Lyon, G., 326
Lyon, I. C. T., 294, 2748

Macafee, Jeremy, 371
McAllister, William H., 1246, 3284
MacArthur, P., 3367
MacBeth, Neil J., 788
McBurney, Annetta Karaa, 1778
McCabe, Edward, 802, 850
McCabe, Edward B., 960, 1053
McCabe, Michael W., 579
McCall, John T., 3078
McCallin, Paul F., 2028
MacCallum, C., 2820
MacCallum, F. O., 941, 1728, 1988, 2062
McCance, R. A., 2887
McCandless, Anne E., 2806
McCarthy, James W., 2290
McCarthy, Kathleen, 545
McCathie, Margaret, 2474
McCaw, Barbara, 2520, 3163
McClelland, Marilyn A., 467
McClure, Garth, 866
McCollum, Robert W., 2875
McConkey, Roy, 2599, 3476
McConnell, J. B., 2901
McConnell, R. B., 174
McCormack, William M., 2829
McCormick, Ursula M., 2126
McCormick, W. F., 1164
McCracken, George H., Jr., 843, 967, 1601, 2060, 2145
McCrea, Mary, 2195
McCrory, W. W., 778
MacCubrey, Jean, 704
McCulloch, John R., 2198, 3162
McCurley, R., 3447
McDermott, Alan, 2467
McDonald, Alison D., 1416, 2535

McDonald, Eugene T., 1221
McDonald, K. M., 2204
MacDonald, M. K., 2346
McDonald, Robert, 2049
McDougall, J. M., 3381
McDowall, E. B., 2655
McErlean, Toby, 2590
McFarlane, Jean, 3127
McFarlene, Hylton, 1115
Macdonald, R. R., 1330
MacDonald, Sally, 2590
McDonald, Stewart, 692
MacDowall, Ian G., 1210
McGary, Paul A., 3219
McGarty, Maureen, 3534
McGill, Douglas B., 1984
MacGillivray, Ian, 1757, 1972
MacGillivray, Margaret H., 2792
MacGillivray, R. C., 3570
McGinn, Thomas G., 875
McGrath, J. T., 2237
MacGregor, G. A., 206, 1199
McGuckin, Rosemary, 1989
McGurk, Harry, 2610
McHugh, John, 502
McIntire, K. Robert, 2232
McIntosh, Angus, 1062
McIntosh, E. Noel, 49
McIntosh, Eranell I., 3505
McIntosh, Helen T., 1297
Macintosh, I. J. C., 1457
McIntosh, W., 2916
McIvor, William B., 2617
MacKay, D. N., 679, 680, 682, 3447
MacKeith, Ronald, 3589
McKellar, Barbara, 2966
McKendrick, G. D. W., 1936
McKendrick, Olive M., 3250
MacKenzie, G., 390
McKerracher, D. W., 1599
McKhann, Guy M., 3110, 3112
McKoown, Janet A., 454
McKusick, Victor A., 40, 1256, 1269, 1419, 2221, 2356, 3051
McLaren, Donald S., 1130, 3129
MacLaverty, B., 457
McLean, Frances H., 215, 796
Maclean, N., 494
MacLean, Pamela R., 2345
McLean, Theresa M., 3381
McLean, Thomas W., 2985
McLeod, J., 1587
MacLennan, Alastair H., 2350
MacLeod, N. Ross, 1050
MacLeod, P., 3395
MacMahon, Brian, 1891
McManis, Donald L., 1504
MacMillan, Donald L., 536, 537,1484, 1495, 2587
MacMillan, Duncan R., 2822
McNair, R., 2901
McNamara, John J., 2092
McNeel, Mildred L., 3012
McNew, Jane, 1921
McNicol, Evelyn M., 1987, 2000
McPeak, Christine, 1863
McQuarrie, Howard G., 2061
McQuillin, Joyce, 920, 1989
McVeigh, Susan H., 2097

Mace, John W., 270, 2389, 3091, 3359
Macek, Milan, 1706
Machill, G., 266
Mackay, Ian R., 2042
Macken, J., 1823
Mackie, I. J., 1081
Macnaughton, M. C., 2451
Madahar, D. P., 117
Madan, K., 2487
Maddaiah, Vaddanahally T., 2210
Madden, David L., 961, 1385, 1771, 2985
Maddux, Betty L., 1116
Madge, G. E., 1783
Madigan, Phyllis M., 2213
Madrazo, Ricardo, 2228
Madrigal, Luis Salinas, 2878
Madsen, Jack A., 3320
Maeck, John Van S., 1028
Magenis, R. Ellen, 2469, 2520
Magrini, U., 265
Mahloudji, Mohsen, 1240
Mahmoud, S., 3062
Mahon, D. F., 2111
Mahoney, C. Patrick, 1370
Mahoney, Maurice J., 2725, 2740
Maillard, E., 1455
Mair, Helene J., 1995
Mair, W. G. P., 2216
Maitrot, B., 327
Maksimova, S. P., 3119
Maksoud, Joa Gilberto, 209
Malamud, Nathan, 2278
Malan, A. F., 2284
Malchair, R., 1193
Malcolm, D., 1991
Malherbe, Christian, 2441
Malherbe, H., 1802
Malone, Michael J., 2201
Maloney, Michael P., 567
Malovany, Robert J., 1700
Malpuech, G., 513
Man, Evelyn B., 142
Mandavia, Sharad G., 1251
Manitto, Paolo, 950, 2798
Mann, Dean L., 107
Mann, John, 2458
Mann, Joseph D., 1380, 3435
Mann, Leon I., 1039, 2091
Mann, Lester, 618, 622
Manning, James, 1190
Manyam, N. V. B., 3155
Maounis, F., 1204
Maraqa, M. I., 3235
March, Sandra P., 937
Marchal, Claude, 1238
Marcus, R. G., 1985
Marder, Gerard, 2831
Margolin, Fred G., 2054
Margolis, Alan J., 2355
Margolis, Carmi Z., 2302
Margolis, M. Theodore, 3170
Mariona, Federico G., 2310

Mark, Vernon H., 3253
Mark, Z., 3128
Markand, Omkar N., 2357
Markovic, Stefanija, 3410
Markovic, Vjerica, 3410
Marks, E., 866
Marks, Herman B., 2994
Marks, Vincent, 1018
Marliss, E. B., 2848
Marolla, Francis, 2217
Marquez-Monter, Hector, 1463
Marrian, V. J., 257
Marsh, Edward B., 1873
Marshall, M. S., 527
Marshall, Nancy R., 42
Marshall, Richard E., 2449, 3284
Marshall, W. C., 927
Marston, Robert Q., 1691
Martin, Andrew S., 649
Martin, C., 415, 438
Martin, Chester B., Jr., 1716
Martin, Garry L., 692
Martin, Gilbert I., 2048, 2992
Martin, J. J., 1165, 2122, 2409, 2410
Martin, Joan L., 1432
Martin, Marie C., 3083
Martin, Mary, 1493
Martin, Patricia A., 479
Martin, Ronald, 2864
Martineau, Bernard, 3236
Martinez, A. Julio, 884, 1824, 1838, 2031
Marx, S. J., 1191
Mashiah, S., 3128
Masland, Richard L., 1219
Masotti, R. E., 1372, 3332
Massey, Philip S., 1114
Massi-Benedetti, Ferdinando, 1804
Masters, Peter, 1178, 3127
Matalon, Reuben, 1148, 3075
Matheny, Adam P., 602
Matin, Philip, 2274
Mathis, Richard K., 2297
Matsoukas, J., 424
Matsuda, Ichire, 286
Matsuda, S., 1859
Matsunaga, Ei, 2517
Mathews, Ernest S., 1256
Mathews, R. G., 1636
Matthew, Earl B., 961
Matthews, Andrew E. B., 823
Matthews, C. D., 1352
Matthews, W. B., 207, 2820
Matthieu, J. M., 212, 2241
Mattingly, Richard F., 3396
Mattinson, Janet, 1527
Mattson, Richard H., 2412, 2414, 3322, 3329
Mauk, William C., 631
Maurer, Harold M., 167, 1974, 2825
Maurer, William F., 362
Mavalwals, Jamshed, 2447
Mawdsley, C., 1016
Mawhinney, Helen, 155
Maxwell, J. D., 1367
May, A. E., 1672
May, Don B., 1884, 2940
May, J. Robert, 2965
Maya, A., 3089
Mayne, Valerie, 348, 2149
Mayo, Oliver, 3436
Mayon-White, R. T., 1773
Mayr, Anton, 893
Mayumi, Makoto, 936, 2913
Mazal, S., 1820
Meadow, Kathryn P., 749
Meadow, Lloyd, 749
Meadow, S. R., 2411, 2450
Mechthild, Jensen, 2299
Mecke, Sigrun, 411
Medearis, D. N., 831
Medeiros-Neto, G. A., 2179, 2184
Mednick, Miriam F., 720
Meek, Virgelia C., 540
Meers, Dale R., 2574, 2575
Mefford, John P., 607
Mehegan, Charles C., 2368
Mehes, Karoly, 2509
Mehraein, P., 2252
Meigs, J. Wister, 1054
Meile, Richard L., 705
Meinardi, H., 3317
Meinecke, R., 902
Meirowsky, Arnold M., 3012
Meisner, L. F., 2542, 3348, 3352, 3365
Mejia, Berta, 663
Melander, Stig, 3212
Meldrum, Brian S., 1831, 3334
Melish, Marian E., 965, 2939
Mellander, O., 1185
Meller, Bodil, 456
Mellits, E. David, 142
Mellman, William J., 3069, 3070
Melnick, Joseph L., 182, 1861
Meloni, T., 2787
Mendelson, J., 127
Mendicini, A., 372
Mendicini, M., 380, 1336, 3217
Meneses, Luis, 1320
Menkes, John H., 1243, 1365, 3203
Menninger, Florian F., Jr., 2504
Mennons, L. A. H., 305
Menser, Margaret A., 124, 135, 895, 938, 1979
Menyuk, Paula, 3441
Menzies, D.M., 123
Mercer, Robert D., 401
Merenstein, Gerald B., 2400
Merkatz, Irwin R., 1765
Merland, J. J., 422
Mermut, Saim, 1717
Merrick, S., 2726
Merril, Carl R., 3294
Merrill, Deborah A., 1983
Merrill, Robert E., 837
Meshorer, Edward, 2504
Meskin, J., 1575
Messenger, Eli, 1700
Metcald, F., 1272
Metcoff, J., 2151, 2152, 2153, 2228
Metselaar, D., 921
Metz, F., 3387
Metz, J., 1200
Meyer, Harry M., 1909
Meyer, Harry M., Jr., 1030

Meyer, John Stirling, 2390
Meyermann, R., 893, 2846, 2852
Meyers, C. E., 1548
Meyers, Ronald E., 3007
Meyerson, Julie, 3559
Michaels, Richard H., 854, 924, 962, 2010
Michaelson, P. S., 2503
Michie, Eileen A., 200
Middlebrook, Celia, 1056
Midulla, Mario, 889
Midwinter, R. E., 2707
Migeon, Barbara Ruben, 66
Migeon, Claude J., 3289
Mignone, Robert J., 1535
Mihatsch, M. J., 1207, 3097
Mii, Takashi, 2236
Mike, Valerie, 1222
Mikkelsen, Margareta, 164, 1392, 2467, 2564, 2833
Miulska, B. E., 2914
Milanovich, Robert A., 2034
Milbeck, Rosemary L., 1714
Miles, Barbara S., 1181
Milgram, Norman A., 532
Milham, Samuel, Jr., 1428
Milhorat, Thomas H., 409, 1689, 2344
Millan, Sara, 3122
Millar, J. H. D., 1470, 2434
Millar, Mary, 1871
Miller, A. R., 2051
Miller, Arnold, 633
Miller, Carol S., 3068
Miller, Dale, 663
Miller, Dorothy A., 2568, 2570
Miller, Eileen E., 633
Miller, George, 976
Miller, Joel R., 563
Miller, Karen, 3067
Miller, Marilyn E., 2391
Miller, Marion C., 283
Miller, Martin B., 2614
Miller, O. J., 2528, 2568
Miller, Robert W., 2070
Miller, Walter L., 2461
Millian, S. J., 931
Millichap, J. Gordon, 2446, 3336
Millman, I., 1842
Mills, G. L., 2222
Mills, Wilfrid, 2342
Milne, G. R., 1004
Milner, R. D. G., 2850
Milunsky, Aubrey, 1747, 2132, 2512
Minde, Klaus K., 239, 1108
Minerva, A., 1077
Mink, John R., 642
Minnefor, Anthony B., 860
Mire, J., 1254, 2287, 2289
Mirhosseini, S. Ali, 2272, 3238
Mirkin, Bernard L., 703
Mitchell, Dorothy E., 2082
Mitchell, F. L., 1119
Mitchell, M. J., 3384
Mitchell, Mariette, 1578
Mitchell, Marlys M., 600, 688
Mitchell, Sandra, 1966
Mitchison, D. A., 1017
Mitsuma, T., 2179
Mittler, P., 603, 3514
Mittwoch, Ursula, 2464
Miyai, Kiyeshi, 310
Miyoshi, Koho, 2835
Mizutani, Hiromichi, 1799, 2006
Moe, Peter Johan, 1123, 1156
Mofenson, Howard C., 1105
Mogerman, Stanley N., 991
Moghazy, M., 3062
Moir, A. T. B., 426
Mokashi, Shalini, 2125
Mol, L., 2898
Moldoveanu, I., 246
Moller, I., 1360
Mollison, P. L., 1925, 2881
Molnar, Gabriella E., 1228
Molne, K., 3152
Molony, Helen, 1673
Molsted-Pedersen, Lars, 1923
Moltz, A., 34
Monaghan, J. M., 2328, 2762
Monard, Y., 1203
Mondino, A., 3048
Mondy, Lewis W., 661
Monedjikova, Virginia, 2504
Money, John W., 1530
Money, R. A., 3016
Mongeau, J. G., 2172
Monif, Gilles R. G., 129, 972, 987, 2021, 2808
Monsky, D., 446
Monson, Richard R., 3341
Monteiro, K., 2179
Monteleone, James A., 3356
Monteleone, Patricia L., 1442, 3356
Montgomery, John R., 2935
Montgomery, R., 831
Monto, Arnold S., 1024
Montoya, German, 401
Montpetit, Vital, 1867
Moody, Robert A., 3258
Moolgaoker, A. S., 50
Moore, B. C., 3409
Moore, B. P. L., 2773
Moore, Cyril L., 1310
Moore, D. L., 2018
Moore, Donald T., 3194
Moore, J. R., 1720
Moore, Jerry P., 2713
Moore, M. R., 905, 2051
Moore, Marcia Czyzewski, 599, 992
Moore, P. T., 3083
Moore, S. M., 1439
Moores, B., 1662
Moosa, A., 304, 789, 1940
Moragas, A., 438
Morales, Enrique, 3115
Morales, M., 2151, 2152, 2153, 2228
Morehouse, D. D., 3140
Morgan, Beverly C., 2319
Morgan, I. L., 1327
Morgan, J. H., 1565
Morgan, Samuel K., 890
Morgenstern, Gerb, 241
Morgenstern, Murry, 1529, 1626, 3536
Moric-Petrovic, Slavka, 2485, 3410
Morison, J. Edgar, 522

Morley, K. G., 3535
Morris, Helen L., 2606
Morris, Pauline, 3574
Morrison, Delmont, 663, 3451
Morrison, James R., 235
Morrison, John C., 187, 2026
Morrow, A. W., 3303
Morrow, Grant, 177
Morrow, R. H., 916
Morton, Hugh G., 2468
Morton, M. R., 1644, 2077
Moschini, Lidia, 889
Moschos, A., 1204
Moser, Hugo W., 2176, 2188
Moshang, Thomas, Jr., 1435
Mosley, James L., 561
Mosley, James W., 1868
Moss, James W., 619
Moss, Stephen J., 311
Mossakowski, M. J., 325
Mostow, Steven R., 867, 1814
Motew, Martin, 2719
Motulsky, Arno G., 2767
Moulias, R. L., 130
Mourant, A. E., 2749
Moussouros, A., 2044
Mowat, Alexander, 1922, 2064, 3156
Movassaghi, Nasser, 969
Moya, G., 1823
Moyer, Carl E., 3307
Mozziconacci, P., 255
Mueller, Shirley, 1164, 2120
Muir, Helen, 1209
Mukepadhaya, B., 713
Mukerji, D. P., 899
Mukherjee, Asit B., 341, 1768
Mukwaya, L. G., 921
Mulcahy, Marie T., 3369
Mulhern, T., 564, 2189
Mullaferoze, Perin, 1234
Mullan, Sean, 1104
Mullarkey, Mary, 2553
Muller, D., 893, 2846, 2852
Muller, Gerhard, 2967
Muller, H., 2465, 3370, 3432
Muller, K., 1503
Muller, P., 1232
Muller, W., 1404
Mundel, George, 2481
Munro, Hamish N., 2229
Munschauer, Richard W., 2792
Munsick, Robert A., 1724, 1764
Munube, G. M. R., 916
Murakami, Motochiyo, 1384
Murata, Yuji, 1716
Murdoch, J. Lamont, 1419, 2356
Muriel, Gloria, 2803
Murphy, A. M., 938, 2843
Murphy, Brian R., 1812
Murphy, Dennis L., 1535, 2491, 2555
Murphy, Edmond A., 827
Murphy, Frank, 1326
Murphy, G. Doty, 989
Murphy, Jerome V., 1265, 2146, 2147
Murphy, Kevin B., 1909
Murphy, M. Lois, 73
Murphy, Scott, 1268
Murray, J. D., 2052
Murray, Joel E., 2885, 3258
Murray, John J., 860
Mutchinick, Osvaldo, 2270
Mutters, Tom, 1635
Mutton, David E., 2544
Muxworthy, S. M., 1076, 2321
Myers, David N., 2951
Myers, Fay K., 3159
Myers, Gary J., 2729
Myers, Ronald E., 1304, 2071
Myking, A., 3411

Nabarro, J. D. N., 2108
Nadji, Pouran, 1839
Nadler, Henry L., 27, 31, 284, 772, 1148, 2133, 3113
Naghi, Al., 391
Nagler, Benedict, 961
Naglo, A. S., 1292
Nahmias, Andre J., 2983, 2984, 2986
Naiman, J. Lawrence, 954
Nair, Prasanna, 227
Najjar, Samir S., 414, 3192
Nakamoto, Masao, 3187
Nakamura, Y., 953
Nakano, Kenneth K., 3223
Nakatake, Toshihiko, 3375
Nambu, Harue, 286
Namkung, Paulette, 1709
Nance, Walter E., 2559, 3424
Na-Nakorn, S., 930
Nankervis, George A., 1118, 1913
Nanto, V., 3090
Naoun, A., 44
Narang, H. K., 1851
Narayan, O., 2254
Narot, Rabbi Joseph R., 1639
Nash, Andrea, 2398
Nassif, Sami I., 3192
Natelson, Stephen E., 2095
Nathan, David G., 191, 869
Nathanson, Bernard N., 801
Navarro, C., 2409, 2410
Navon, Ruth, 1161, 1451, 3128
Nawas, M. Mike, 2626
Nayer, P. De, 1120
Naylor, Alfred A., 1219
Naylor, C. H., 2885
Needleman, Herbert L., 1844, 1962
Neelon, Francis A., 3125
Neeman, Renate L., 573
Neill, D. W., 155
Neill, G. A. W., 676
Neimann, N., 44
Nellist, Ivan, 728
Nelson, George H., 26, 812, 1313
Nelson, James R., 400
Nelson, James S., 1211
Nelson, John D., 843, 1027
Nelson, Matilda M., 108, 3436
Nelson, Nicholas M., 408
Nelson, Robert F., 1867
Nesbit, Mark E., Jr., 1267
Nesbitt, S., 3172

Nessmann, C., 418
Netter, Robert, 2804
Neu, R. L., 498, 500, 2525, 3390, 3414
Neufeld, Elizabeth F., 1166, 2132, 2221, 2645, 3051
Neuhauser, G., 2252
Neustein, Harry B., 2253
Neuwelt, Edward, 339
Nevanlinna, H. R., 1084
Neville, B. G. R., 1036, 1296
Neville, Donald, 3523
Nevin, N. C., 72, 155, 457, 2434, 2476, 3172
Nevo, Sara, 1249
Newberger, Eli H., 2097
Newbold, D. B., 1323
Newcomb, Carol, 2590
Newman, Helen G., 2608
Newns, G. H., 1931
Newth, Jeffrey, 2929, 3104
Newton, Dale A., 798
Ni, Louisa Y., 2036
Nichamin, Samuel J., 2087
Nicholls, M. W. N., 2037
Nichols, B. L., 1159
Nickel, Vernon L., 1235
Nicolopoulos, D., 1874, 1933, 3053
Niebuhr, E., 476, 1392, 1424, 2499
Nielsen, H. Rist, 1360
Nielsen, Jens O., 160
Nielsen, Johannes, 1446, 2493, 3394, 3434
Nielson, Helle H., 528
Nikaido, Toru, 1213
Nimbkar, Kamala V., 644
Nirje, Bengt, 2630, 3577
Nishimura, C., 1941
Niswander, J. D., 3305
Nitowsky, Harold M., 23, 1768, 2735
Nitzan, Menachem, 2953
Nixon, Robert K., 1694
Noble, Gary R., 1872
Noble, Sheila, 3006
Noble, T. C., 1851
Nobo, Henry J., 687
Nodari, S., 372, 3217
Nogrady, M. Bernadette, 1303
Nolan, David C., 2095
Nopar, Richard A., 1501
Norden, Carl W., 965
Norden, Nils E., 2182
Nordenfelt, E., 1784, 2327
Noren, George R., 1811, 1887
Noriega-Sanchez, Angel, 2357
Norman, A. P., 1978
Norman, Arne, 2837, 2838, 2839
Norman, Margaret G., 2072
Norman, Michael E., 1229
Norris, David, 558
Norris, Forbes H., Jr., 1958
North, Edward R., III, 2489
North, J. B., 1102
Northrop, Robert L., 1896, 2816
Norton, Patricia, 2640
Notermans, Servaas L. H., 2908
Nothling, Martin M., 2990
Novak, Gary, 3299
Novak, Leola, 3556
Nowak, Judith, 3073
Nowak, M. J., 135
Nugent, John, 2693
Nunn, Hilary, 3225
Nurnberger, John I., 759
Nussli, Rosmarie, 258, 264, 2403
Nuyts, J. P., 1455
Nyhan, William L., 403, 2009, 2358

Oakley, Godfrey P., Jr., 3188, 3266
Oakley, N. W., 1019
Obbens, A. M. T., 2426
Obenchain, Theodore C., 3302
Oberholzer, V. G., 421, 3072
Oberman, J. William, 1759
O'Boyle, Meade P., 2399
O'Brien, Donough, 2115
O'Brien, John S., 2195, 2253
O'Brien, Richard, 976
Ockerman, Per Arne, 1154, 2182, 2266, 3085
O'Connell, Brent, 2937
O'Connor, Gail, 721, 2684
O'Connor, Maeve, 332
O'Connor, N., 213
O'Connor, Patricia A., 2612
Odell, G. B., 3545
Odhner, Carl F., 1616
Odom, Penelope B., 3491
O'Donohoe, N. V., 435
O'Driscoll, Diarmuid, 2815
Oei, T. L., 3100, 3101
Oetliker, O. H., 1136
Oftedal, G., 3152
Ogata, J., 3209
Ogborn, Anthony, 2761
Ogra, Pearay L., 205
O'Grady, D. J., 2189
O'Grady, Jeanne E., 2034
Ogura, Joseph H., 3284
Oh, W., 1605, 1930, 2355, 2372, 2402
Ohama, Koso, 2486
O'Hara, J., 3594
Ohara, P. T., 1382, 2529, 3234
Ohman, Rolf, 285
Ohmart, David, 2317
Ohnacker, H., 1207, 3097
Ohrtman, William F., 711
Ohwaki, Sonoko, 2593
Ojala, Aimo, 193, 194, 195, 197, 198, 199
Ojemann, George A., 3259
Okada, Hironu, 1384
Okada, Shintaro, 2195, 2410
Oker-Blom, Nils, 1956
Okken, A., 3056
Okubadejo, Made, 1115
Olafsson, A., 1207
Olambiwonnu, N. Olatunji, 1163
Oldendorf, William H., 2121
Olding, Lars, 1013
O'Leary, James, 33, 2440
O'Leary, W. J., 1040
Olegard, Ragnar, 1186

Olesen, Erling S., 1126
Olesen, Henrik, 2833
Oliver, B. E., 3540
Oliver, T. K., Jr., 2313
Ollendick, T. H., 2601
Olley, J. Gregory, 472
Olling, Sante, 871
Ollson, T., 3216
Olney, John W., 2086, 3019
Olow, I., 2250
Olshansky, Simon, 2633
Olson, Connie O., 3142
Olson, David R., 581
Olson, Lloyd C., 2144
Olson, Robert E., 2144, 2169, 3028, 3029
Omichinski, Marna, 692
Omura, K., 2196
O'Neill, Allison, 834
O'Neill, H. J., 208
Oorthuys, A. M. A., 3428, 3430
Opitz, John M., 1261, 2340, 2398
O'Riordan, J. P., 2304
O'Riordan, M. L., 2545
Orner, G., 475
Orren, Jerry M., 2019
Orritt, C. P., 1599
Orzalesi, Marcello, 863, 1879, 2302, 2849, 3217
Osband, Michael, 832
Oseid, Svein, 913
O'Shea, M. H., 2959
Oshimura, M., 2734
Oskamp, Linda, 3472
Oski, Frank A., 177, 1268
Oslander, L., 3066
Osler, David C., 2579
Ostberg, Gorel, 3211
Ostergaard, Poul Aabel, 3368
Ostwald, Peter, 1518
Osuna, M. Lopez, 2251
Oswald, Hedwig W., 668
Otsuki, Saburo, 2236
Ottenbreit, Mark, 3413
Oughtred, Mary, 1325
Outerbridge, Eugene W., 1237, 1303, 2277
Overall, James C., Jr., 965
Overbeck, Betty, 758
Overbeck, Dan, 758
Overbeck, William J., 2369
Overby, L. R., 921, 2011
Overton, G. William, 2615
Overton, Kathleen, 1714
Owens, David, 470
Oxbury, J. M., 2820
Ozcovics, M., 3370
Oziemska-Lozinska, H., 2914
Ozsoylu, Sinasi, 2364

Paala, Josy, 3283
Padeh, Baruch, 1161, 1451, 3128
Page, Stewart, 570
Pagliara, Anthony S., 2859, 2903
Painter, Michael J., 999
Paintin, D. B., 25
Paisey, R. B., 3058
Pakravan, Parvin, 1715
Pakula, Zofia, 1291
Palant, Daniel I., 1338
Pale, J., 302
Palladini, G., 250
Pallisgaard, G., 394
Palmarino, R., 2849
Palmer, Catherine G., 448
Palmer, Philip E., 3398
Palmer, T., 421, 3072
Palmgren, Bertil, 2972
Palo, J., 276, 392, 3102
Paloutzian, Raymond F., 662
Paluck, Robert J., 554, 560
Pande, Helene, 2183
Pandey, Carol, 739
Pandolfi, M., 3211
Pandya, S. K., 2326
Pandya, S. S., 2366
Panelius, Martin, 1020, 1832
Pangalila-Ratulangi, E. A., 3537
Panich, V., 930
Panitch, Hillel S., 1834
Pantelakis, Stefanos N., 1934
Pantazopoules, Th., 424
Papaevangelou, George J., 1982
Papageorgiou, P. S., 1856
Papas, Constantine V., 2273
Papasotiriou, Niki, 2176
Papazian, Haig P., 2740
Papousek, Hanus, 3566
Pappanikou, A. J., 1657
Parent, M. A., 1143
Park, Dorothy C., 2135
Park, I. James, 2376
Parke, J. C., Jr., 2860
Parker, Charles E., 1410, 2447
Parkin, J. M., 304, 3114
Parkinson, Christine E., 3176
Parkman, Paul D., 1030, 1909, 1956
Parkmand, Robertson, 971
Parks, Bill G., 1682
Parnicky, Joseph J., 673
Parnwell, Margaret, 3520
Parrington, Jennifer M., 1418
Parslow, M. I., 1438
Parsons, Oscar A., 574
Partin, Jacqueline S., 351, 1782, 1969
Partin, John C., 351, 1782, 1969
Partington, M. W., 1173, 1372
Partnow, Michael J., 1214, 3161
Parving, H. H., 2391
Pashayan, Hermine, 2318, 3395
Pask, Beatrice A., 2207
Pasqual, Stanley, 1658
Passarge, Eberhard, 411, 2496
Pate, John E., 838
Patel, Hawa, 1247
Patel, Minu K., 2309
Patel, Mulchand S., 2258, 3063
Patel, Sudha, 1224
Patel, Vimalkumar, 3150
Patel, Yogesh C., 3045
Paterson, C. R., 2474
Paterson, W. G., 2345, 2346
Patey, Jean, 1685

Path, M. R. C., 115, 2129
Patnode, Camilla, 3472
Patriasz, Klara, 1608
Patrick, A. D., 2160, 3027
Paul, Howard A., 563
Paul, Richard H., 1749
Paulsen, Richard E., 1362
Paulson, Olaf B., 2423
Paunier, L., 1137, 1928, 2848
Payne, Rudolph, 1623
Pead, P. J., 2867
Peakman, David, 1443
Pearl, Marilyn, 2219
Pearson, Howard, 976
Pearson, Jack W., 1725
Pearson, Peter, 1705
Peckham, Catherine S., 927
Peed, S., 3460
Pellerin, D., 147
Pelton, E. Williams, 3130
Pembrey, Marcus, 1775
Pena, Sergio Danilo Junho, 2387
Pender, Charles B., 408, 1257, 1306, 3174
Penna, M., 2179
Penney, J. B., Jr., 2254
Penning, Lourens, 2369
Pennington, R. J. T., 2135
Pennock, C. A., 1183
Penrose, L. S., 1407, 2737
Penry, J. Kiffin, 3321
Penttinen, K., 1020
Peralta, Hugo J., 2863
Percy, Alan K., 2126, 2165, 3067
Pereira, Marguerite S., 2902
Perez Del Pulgar, J., 3378
Perham, T. G. M., 1068
Perkins, Herbert A., 991
Perkins, Mary A., 2592
Perl, Daniel P., 2207
Perlman, M., 945
Perlstein, Paul H., 1795, 2315
Pernod, J., 252
Perrin, Jane C. S., 2659
Perrot, R., 152
Perry, John H., 3495
Perry, Robert, 1651
Perry, Thomas L., 3143
Persianinov, L. S., 3213
Perske, Robert, 2631, 3552
Person, Donald A., 2019, 2786
Pertuiset, B., 416
Peter, G., 964
Peter, Joshua, 499
Petering, Harold G., 1252, 3149
Peters, Allen H., 2034
Peters, Henry A., 1153
Peters, Jon F., 3315
Peters, Paul C., 3141
Petersen, G. B., 1452, 3394
Petersen, P., 164
Petit, P., 2571
Petrie, J. J. B., 2345
Petrova, S. A., 2524
Pettersson, Folke, 3212
Pettit, Milton, 634
Pfandler, U., 436, 1328
Pfeiffer, R. A., 3387, 3392
Pfister, Peter J. V. S., 2260
Pham-Huu-Trung, 255
Phansalkar, Sadashiv V., 2640
Phelps, Dale L., 2402
Phelps, W. Richard, 1884
Phibbs, R. H., 861
Philbrook, F. Randolf, 1873
Philippart, Michel, 1165, 3141
Philippon, J., 416
Philippus, Marion John, 226
Phillips, Carol F., 2877
Phillips, Charles A., 839, 1028, 2877
Phillips, Denise M., 854
Phillips, Gene M., 841
Phillips, Paul E., 2001, 2971
Phillips, T. J., 1330
Philpot, C. R., 2840
Picciotto, L., 2915
Picece-Bucci, S., 380, 3217
Pierce, R. Wendell, 2861
Pierson, M., 44
Pigram, Penelope, 863
Pike, M. C., 916
Pildes, Rosita S., 956, 1179
Pilliod, J., 2392
Pilz, H., 1218, 2243
Pimstone, B. L., 3037
Pincus, Jonathan H., 1230, 2146, 2171
Pinder, Stan, 1655
Pineda, G., 2363
Pinot, C., 255
Pinsard, N., 417
Pinsker, Esther Jill, 366
Pinsky, Leonard, 127, 1149, 1276, 1430, 3221
Pinte. Virgilie A. Carvalhe. 209
Piomelli, Sergio, 1981
Piper, Terrence J., 601
Piroinen, Olli, 2763
Pitt, D. B., 501, 1860
Pitt, David, 477, 1176, 1208, 3127
Pitts, Lucius L., 189
Plainfosse, B., 512
Plant, Walter T., 548
Plato, Chris C., 3374
Platt, J. W., 3027
Platt, Mark, 482, 1217
Platts, J., 3381
Platzker, Arnold C. G., 2355
Plotkin, Stanley A., 968, 2702, 2714
Plotz, P. H., 2012
Ploussard, J. H., 964
Ploussard, J. P., 145
Plum, Fred, 1103, 3328
Plunkett, Guy D., 1881
Podnieks, I., 2909
Poire, R., 1823
Polani, Paul E., 462, 504, 2515, 2516, 2753
Polishuk, W. Z., 3181, 3207
Pomerance, W., 34
Pomeroy, J., 1202
Ponder, Charles B., 404
Ponzone, A., 2540
Pooley, Joan M., 1830
Pootrakul, P., 930
Popich, Gregory, 1162

Popper, Hans, 2042
Porras, J., 2261
Porter, A. A., 937
Porter, Basil A., 2148
Porter, C. A., 1922, 2064
Porter, Ian H., 490
Porter, Myna T., 347, 696, 2167
Portnoy, Bernard, 988, 1038
Poswillo, D. E., 1966
Pothier, Patricia C., 681, 3451
Potter, A. M., 1415
Potter, Judith E., 2869
Potts, Malcolm, 809
Poty, Jacqueline, 441, 503
Pouillaude, J. M., 252
Poulsen, Hemming, 1784
Pounds, V. A., 753
Powell, Henry Caleb, 764, 2966
Powers, James M., 1236
Prader, A., 257, 264
Prathap, K., 1341
Prats, J., 438
Pray, Janet L., 2659
Preece, J., 428
Prensky, Arthur L., 1211, 2113, 2903, 3343
Prescott, Gerald H., 1714
Prestige, Martin, 3
Preus, Marilyn, 774
Price, D. J. E., 2022
Price, J. H., 2689
Price, William H., 1447, 2463
Prick, J. J. G., 559
Pridmore, B. R., 1788
Prien, Erich P., 3598
Primrose, D. A., 2679, 2686, 3087, 3570
Prince, A. M., 921
Prince, Alfred, 149
Prinslee, J. G., 306
Pritchard, Jack A., 2800
Pritchard, Kathleen I., 3194
Probert, M., 872
Procopis, P. G., 294, 1248
Prod'hom, L. S., 212
Pronk, J. C., 2245
Pruzansky, Samuel, 2318
Prystowsky, Harry, 815
Prytz, H., 2043
Pueschel, Siegfried M., 840
Pugh, Michael, 47
Punnett, Hope H., 1462, 2142
Pupo, A. A., 2179
Purcell, Robert H., 875, 894, 1385
Purnell, G. V., 2203
Purpura, Dominick P., 3438
Purvis-Smith, S. G., 1979
Putnam, Theodore I., 1389
Putter, Vera, 1512
Putterman, Allen, 2318
Pyatkin, E. K., 2524

Qazi, Qutub H., 117, 3222
Qaqundah, Boulos Y., 1037
Quaade, F., 1124
Quie, Paul G., 1880
Quinn, Michael, 1648
Quirk, Jane M., 3136
Quistad, Gary B., 876

Raae, Arnt F., 1156
Raaijmakers-Engelen, Elly W. I., 2507
Rabe, Edward F., 1670, 2146, 2438
Rabenda, C., 2914
Rabin, Laura S., 1716
Rabinowitz, David, 3081
Rabinowitz, Stanley G., 1050
Rabo, E., 3042
Rabson, A. S., 2030
Rachelefsky, Gary, 1847
Racle, P., 252
Racusen, Lorraine C., 2419
Rafaelsen, Ole J., 2423
Rafferty, Joane H., 2458
Rafinski, T., 2323
Ragab, M., 928
Raghuram, T. C., 3124
Raiha, Niels C. R., 3064
Raine, Cedric S., 1947, 2769
Raine, D. N., 1188, 1718, 1721, 2111, 2166, 2892
Rainer, John D., 1440
Raiti, S., 2639
Rajegowda, B. K., 983, 1792
Rake, M. O., 183
Rakoff, Jeffrey S., 3397
Ramalingaswami, V., 2118
Ramamurthi, B., 334, 2119
Ramanauskas, Sigita, 3471
Rampini, S., 257
Ramsay, M., 3224
Rance, C. P., 1216
Randolph, Judson G., 1689
Randt, Clark T., 2124
Ransohoff, J., 1309
Rao, K. R., 1960
Rao, P., 387
Raoletti, Pietro, 338
Rapkin, Richard H., 856
Rapola, Juhani, 1138
Rapp, John, 553
Rappel, Marc, 1828
Raska, K., 2873
Rasmussen, Colette M., 1011
Ratcheson, Robert A., 3226
Ratner, Arnold C., 3304
Ratrisawadi, V., 3281
Rattazzi, Mario C., 3126
Rauh, Joseph L., 846, 1049
Ravaris, C. L., 3449
Ravenette, A. T., 396
Rawls, William E., 2019
Rawls, William H., 1044
Ray, M., 1417, 2477
Raymond, H., 142
Raynaud, E. J., 513
Razzak, Zohra A., 2367
Read, Walter W. C., 1130
Rebbe, Heinrich, 178
Rebeiz, J., 2287
Reddington, Irene, 2391

Reddy, G. N., 499
Reddy, Shun, 1115
Reddy, Venudhar S. T., 1811
Redeker, A., 1846
Reece, Robert, 802, 850
Reed, A. Jane, 850
Reed, Sheldon C., 770
Reed, T. Edwa 4. 3222
Reed, Terry, 3424
Rees, H. M. N., 2607
Refetoff, Samuel, 2148
Regali, James A., 3396
Reichelderfer, Thomas E., 2569
Reid, Marck McC., 866
Reilly, Edward L., 3315
Reina, Julio C., 1190
Reinert, P. H., 130
Reinicke, Vagn, 1784
Reiss, H. E., 2721
Reiss, Jacob A., 2469
Reister, Albert, 2094
Reitan, Ralph M., 243, 244, 346, 407, 1101, 1538
Relkin, Richard, 1464
Reller, L. Barth, 2775
Remington, Jack S., 1908, 2796
Rencoret, R., 2963
Rendle-Short, T. J., 874, 2842
Renfield, Marilyn L., 2316
Renier, W., 2898
Renkawek, K., 325
Renkonen, O. V., 276
Rennick, Phillip M., 2905
Renson, P., 1203
Renwick, D. H. G., 1174
Renwick, J. H., 2378, 3182, 3190
Rerrick, E. G., 3377
Reske-Nielson, Edith, 307
Rethore, O., 512
Rever, George W., 2093
Rewell, R. E., 100
Rey, F., 253
Rey, J., 253
Reye, Corrie, 1233
Reynell, Joan, 1327
Reynolds, David W., 852, 973, 1047, 2777
Reynolds, E. H., 428, 1375, 2171, 2412, 2431, 3329
Reynolds, E. O. R., 3208
Reynolds, John W., 319, 2384, 3204
Reynolds, Linda W., 3068
Reynolds, Ralph D., 1152
Rezacova, Dagmar, 1706
Rezza, E., 1336
Rhee, Vesela, 3019
Rhodes, A. J., 908, 1791
Rhodes, Philip, 2752, 3281
Rhys-Jones, W. G., 2662
Ribadeau Dumas, J. L., 422
Riccardi, Vincent M., 1437
Ricci, Germano, 1910
Ricciuti, Henry N., 3111
Rice, Jack O., 2650
Richard, P., 254
Richards, B. W., 2656, 2688
Richards, Frances M., 3143, 3510
Richards, I. D. G., 14, 1297
Richardson, Edward P., 1265
Richardson, Paul, 695
Richardson, Stephen A., 2588, 3137
Richman, Douglas D., 1908
Richmond, H. G., 3367
Richter, G. W., 2965
Ridler, M. A. C., 480, 2529, 3384
Rie, Herbert E., 1905
Riekhof, Paul L., 1449
Riekkinen, P., 302
Rigatto, Henrique, 2301, 2405
Riley, Harris D., Jr., 973, 2137
Rimoin, David L., 3285, 3427
Rinaldi, Charles F., 2907
Rinehart, Robert, 1213
Rink, Elizabeth, 25
Rinne, U. K., 1020
Riondel, A. M., 1137
Risler, Walt P., 607
Ritchie, K. M., 1427
Riva, E., 3048
Rivard, Donald, 3356
Rivers, J. P. W., 3023
Rivers, R. P. A., 3206
Robb, J. Preston, 2420
Robbins, Frederick C., 1893, 1956
Robbins, John B., 107, 2860
Robert, J., 44
Roberts, C. J., 358, 1321, 2758, 3252
Roberts, J. A. Fraser, 2515, 2516
Roberts, J. R., 2216
Roberts, R. W., 1065
Roberts, Richard B., 1765
Roberts, W. S., 934
Robertson, Anne-Marie, 1778
Robertson, E. G., 1788
Robertson, J. Sloan, 3235
Robertson, James T., 1824
Robertson, Janet, 2468, 2474
Robertson, John G., 200
Robertson, R., 2900
Robertson, William van B., 2154
Robinet-Levy, M., 2876
Robins, S. P., 3061
Robinson, Arthur, 1443
Robinson, D., 1157
Robinson, Hugh P., 1734
Robinson, Jacqueline A., 2547
Robinson, Lawrence D., 175
Robinson, Marcy, 1387
Robinson, Roger, 420, 1324
Roblin, Richard, 826, 1600, 2646
Robson, J. S., 1016, 2345, 2346
Robson, Meryl K., 501
Roche, A. F., 3399
Roche, J. K., 1950
Roche, P. J., 3399
Rodbro, Paul, 2443
Roe, A. M., 2563
Roe, Duane C., 859
Roe, Thomas F., 2253, 2878
Rogentine, G. Nicholas, 107
Rogers, Charles M., 577
Rogers, Henry J., 906
Rogers, S. Clifford, 952
Rogers, Stanfield, 2644
Roginsky, M., 2448, 3330

Rogon, Z. Edward, 2423
Roith, A. I., 3579, 3588
Roizman, Bernard, 2983, 2984, 2986
Roland, F., 2911
Roloff, Dietrich W., 1237
Romano, El L., 2881, 2915
Ronald, J., 1819
Roncoroni, M., 1780
Rondon, Oscar, 3032
Roos, B. E., 2541, 3044
Roos, Philip, 2652
Roos, R., 2770
Root, Richard K., 868
Rorke, Lucy Balian, 466, 1031
Rorth, Michael, 2391
Rosado, A., 2151, 2152, 2153, 2228
Rosdahl, Nils, 1055
Rose, Arthur L., 2032
Rose, Edward F., 668
Rose, G. K., 1617
Rose, Leslie I., 1754
Rosecrans, C. J., 539
Rosemberg, S., 326
Rosen, E. U., 1200
Rosen, John F., 1843
Rosen, Marvin, 695, 3576
Rosen, Ora, 1700
Rosenberg, Gabriel J., 359
Rosenberg, Leon E., 2192
Rosenberg, Lynn, 3341
Rosenberg, Roger N., 2966
Rosenberg, Sue, 1510
Rosenblatt, Cynthia, 3241
Rosenblatt, Malka, 2481
Rosenbloom, Arlan L., 2456, 2536
Rosenbloom, Lewis, 1107
Rosenfeld, Philip, 3347
Rosenfield, Robert L., 2148
Rosenkrantz, Harris, 2504
Rosenkranz, W., 1404, 2500
Rosenstein, Alfred B., 1482
Rosenthal, Amnon, 1434
Rosenthal, Ira M., 444
Rosenthal, Melvin S., 980
Rosleff, Flemming, 1127, 3079
Rosler, Ariel, 3081
Rosler, H. D., 216
Rosman, N. Paul, 1217, 2201
Rosner, B., 1914
Rosner, Fred, 314, 1426, 2548, 3139
Ross, Constance A. C., 934, 1912
Ross, Dorothea M., 3513
Ross, Euan M., 3270
Ross, Robert T., 598, 1658, 1661
Ross, S. B., 3382
Ross, Sheila A., 3513
Ross, Sterling L., 611
Rossi, Ettore A., 1048, 1227, 2063
Rossiter, E. J. R., 874, 1096
Rossman, Lawrence G., 2205
Rostafinski, Michael, 961
Roswell-Harris, Daphne, 3485
Roszel, J. F., 2237
Roszkowska, K., 2914
Rotem, Y., 3237
Roth, Joel A., 2238
Rothenberg, B., 2005
Rothfeld, P., 2171
Rothney, William B., 1670
Rotte, Thomas, 1049, 1884
Roudebush, Corbin P., 3135
Round, J. M., 2445
Rourke, B. P., 546
Rousseau, Wyatt E., 1872
Routh, Donald K., 1497
Rowan, A. James, 1215
Rowe, D. J. F., 2445
Rowe, Richard D., 2306
Rowland, Lewis P., 3070
Roy, R. K., 429
Roy, S., 2118
Roye, David B., 3324
Rubaltelli, F. F., 888, 1932
Rubin, Ben A., 2877
Rubin, Robert J., 1603, 1849
Rubin, Rosalyn A., 3241
Rublee, J. D., 909
Rudd, Noreen, 2134
Rudge, Peter, 2053
Rudkowski, Z., 2914
Ruggiero, G., 2915
Rumpus, M. F., 1056
Rundle, A. T., 263, 471, 3402, 3446
Ruoslahti, Erkki, 2341
Ruoss, C. F., 2325
Rusch, Edna L., 2659
Rushton, D. I., 2750
Rushton, Susan Y., 236
Russell, A., 293
Russell, G., 2336
Rutherford, R. B., 1034
Rutledge, Anne, 2093
Rutten, F. J., 3411, 3421
Ruvalcaba, Rogelio H. A., 1370, 1476
Ryan, Gary T., 1725
Ryan, Joanna, 3482
Rynders, John E., 610, 1618
Rytel, Michael W., 896, 1772

Sabater, J., 3089, 3378, 3408
Sabath, L. P., 1914
Sabatino, David A., 621, 3507
Sachdeva, Shanta, 2483, 3344
Sachs, David A., 1542
Sachs, Lewis B., 597
Sacker, Ira, 2375
Sadasivan, G., 3124, 3393
Sadovsky, E., 2308
Saenger, Gerhart, 2217
Safer, D., 2079, 2098, 3003
Sahar, A., 1309
Saigal, Saroj, 834
Sailor, Wayne, 685
Sainsbury, P., 1704
St. Geme, Joseph W., 1811, 1887, 2863
St. Omer, Vincent V., 1474
Saito, Akira, 2236
Sakati, Nadia, 403
Salafsky, Ira S., 31, 284
Salam, Maria, 2461
Salamanca, Fabio, 440, 2473

Salameh, Kamel, 798
Saldana, P., 454
Saldana-Garcia, P., 3384
Salemi, Mozafar, 162
Sali, J., 669
Salisbury, Arthur J., 413
Salk, Lee, 2112, 3035
Sallade, Jacqueline B., 1472
Salmi, Aino A., 1020, 1832
Salmon, James H., 383, 844
Salmon, Sydney E., 991
Saltzman, Marcus B., 2383
Salvatore, Margaret A., 988
Salvia, John A., 524, 1473
Salzano, F. M., 443
Samec, L., 3383
Sampson, Olive C., 657, 3455
Sampson, Paul, 1743, 1744, 1745, 2069
Samson, M., 97
Samuel, A. M., 2185
Sanchez, Ott, 3412
Sand, Patricia, 1539
Sandbank, U., 2257
Sandberg, D. H., 2067
Sandercock, Joyce, 485
Sanders, Wyman R., 2080
Sandler, Bernard, 2330
Sandman, Robert, 2154
Sands, Margaret E., 3404
Sands, Valerie E., 2510
Sanger, Ruth, 492, 495
Sankovsky, Ray, 719
Sansaricq, Claude, 2640
Santavuori, Pirkko, 1138
Santell, Fredericka, 486
Santiago-Borrero, Pedro J., 3122
Santini, Rafael, 3122
Sardemann, Henrik, 2833
Sardharwalla, I. B., 3033
Sareen, Chandra K., 1370, 1476
Sarnat, Harvey B., 2246
Sarova-Pinkas, Ida, 2233
Sarrazin, A., 949
Sarret, E., 438
Sarubbi, Felix A., 2941
Sasaki, M., 2734
Sato, S., 3008
Saugstad, I. Fegersten, 3094
Saugstad, Letten F., 1146, 3059
Sauguet, J., 234
Saukkonen, A.-L., 2261
Saunders, S. J., 1184
Savage, D. C. L., 1890
Savage, M. O., 1940
Savage, Thomas R., 847
Savignoni, P. G., 372, 380, 3217
Savolainen, H., 3102
Savory, John, 2732
Sawitsky, Arthur, 314
Sawyer, Ralph A., 2975
Saxbe, W. B., Jr., 864
Saxen, Lauri, 101
Saxena, Krishna M., 2056
Saxena, S. R., 2921
Saxon, A., 1202
Say, Burhan, 141, 1826, 2173, 2470, 3419
Sayers, Martin P., 2095
Scally, B. G., 3447
Scarabino, R., 2849
Schachenmann, G., 264
Schade, H., 3388
Scagliotta, Edward G., 616
Scalamandre, A., 372, 380
Scally, Brian G., 1526
Scanlon, John, 1844, 2016, 2039
Scarr-Saiapatek, Sandra, 1282
Schafer, Irwin A., 1118
Schaffner, William, 989
Schain, Richard J.. 549. 2230
Schalch, D., 777
Schaplowsky, A. F., 1053
Schaumburg, Herbert H., 1236
Scheer, Ralph M., 732
Scheerenberger, Richard, 1656
Scheffel, Ursula, 3169
Scheidman, Karmela, 316
Scheiner, Albert P., 3363
Schenck, Herbert U., 567
Schenkein, Allan, 1488
Schenkein, William (Mr. & Mrs.), 1488
Scheres, J. M., 1425
Scheres, J. M. J. C., 3421
Schersten, B., 870, 886, 2896
Scherz, Robert G., 2569
Scherzer, Alfred L., 1222
Scheuer, Alfred Q., 498
Scheye, Elsie, 175
Schiff, D., 186
Schiff, Gilbert M., 845, 846, 1049, 1884, 2940
Schiff, P., 1063
Schifrin, Barry S., 819, 830
Schild, G. C., 2902
Schimke, R. Neil, 291, 515, 929, 1449
Schindeler, Joan D., 39, 3406
Schinzel, A., 514
Schlesinger, Edward R., 804
Schlesinger, Stephen, 2792
Schlote, W., 2122
Schlueter, Mureen A., 1709
Schmickel, Roy D., 449
Schmid, H., 902
Schmid, J., 60
Schmid, W., 514
Schmid-Kitsikis, Elsa, 2595
Schmid-Ruter, E., 3107
Schmidmayr, Beverly, 736
Schmidt, Nathalie J., 775, 1033
Schmidt, P. J., 2012
Schmidt, Rina, 2481
Schmidt, Rosemary E., 2522
Schmitz, J., 253
Schneck, Larry, 1378, 1464
Schneer, J. H., 391
Schneerson, Rachel, 2860
Schneider, Edward L., 2198, 3162
Schneider, H., 423
Schneider, J. H., 1615
Schneider, Jan, 70
Schochet, S. S., 1164
Schoepflin, Gerald S., 2462
Schofield, Brian H., 3065

Scholl, Mary L., 2093
Schonberg, D., 2175
Schonheyder, F., 1124
Schonland, M. M., 1143
Schraeder, Paul L., 1153
Schreiner, Richard L., 3284
Schrempf, Gerlind, 385
Schretlen, E. D. A. M., 275, 305
Schreyer, P., 3180
Schroder, Jim, 1413, 3361
Schroter, W., 1977
Schubert, William K., 351, 1782, 1969, 2940
Schuh, Barbara E., 2717
Schuler, D., 2497
Schull, William J., 2739
Schulman, Jerome L., 322
Schulte, F. J., 385, 3047, 3076
Schumer, Florence, 218
Schussler, George C., 708
Schuster, Sheila O'Donnell, 1574
Schuster, W., 1201
Schut, Luis, 1268, 3202
Schwachman, Harry, 840, 1901
Schwartz, Allen, 873, 976, 2302
Schwartz, Barry J., 3464
Schwartz, Elias, 159, 191, 2352
Schwartz, James F., 1794
Schwartz, Jerome, 1836, 2821
Schwartz, Oscar, 2872
Schwartz, Tanis H., 664
Schwartz, W. R., 1040
Schwarze, R., 188, 887
Schweichel, J. U., 2731
Schweitzer, Irvin L., 1863
Schwerdt, John, 3582
Scopes, J. W., 1943
Scopes, Jon, 139, 140, 1331
Scott, B. B., 3157
Scott, E. J., 1580
Scott, J. S., 1806
Scott, Keith G., 2615
Scott, Keith G., 545
Scott, W. Clifford M., 3010
Scott-Emuakpor, A., 2197
Scotti, Giuseppe, 233
Scotvold, Marvin, 1370
Scrimgeour, J. B., 2305, 2349, 3177
Scriver, Charles R., 2155
Seabright, M., 1406
Seakins, J. W. T., 3027
Searls, D., 1271
Sears, Maureen, 733
Seashore, Margretta R., 2192
Seashore, Marjorie J., 3501
Seddon, R. J., 1086
See, G., 343
Seed, Usha, 312
Seely, J. R., 3391
Sefton, S. M., 3282
Segal, Robert, 1627
Segal, Steven P., 1523
Seidel, Dietrich, 144
Seifert, Gregory L., 1880
Seifert, Milton H., Jr., 1880
Seigel, Barry A., 3226
Selhorst, John B., 1212, 2975
Seligman, S., 268
Selinger, Stanley, 543
Sell, John E., 1252
Sell, Sarah H. W., 837, 838
Seller, Mary J., 1259, 2334
Sellyei, M., 1733, 2514
Selzer, Michael E., 2071, 3007
Semmel, Melvyn I., 469
Senior, Boris, 2987
Sensenbrenner, Judith A., 3077
Sepaha, G. C., 899
Seppala, Markku, 1956, 2341
Sergovich, F. R., 467
Seringe, P., 512
Serpell, R., 3518
Serrano, Ernest E., 3324
Serscher, Alan J., 7
Seto, Dexter S. Y., 1858
Sever, John L., 84, 126, 877, 904, 961, 969, 974, 1041, 1385, 1771, 1866, 2028, 2780
Sever, Lowell E., 1428, 2335
Severi, Francesca, 265, 451
Severn, David J., 2531
Severs, John L., 28
Sevit, L. H., 1000
Shabtai, Fiorella, 3357, 3386
Shackelford, Penelope G., 1886, 2025, 2955, 2982
Shackleton, C. H., 1119
Shafer, David A., 3345
Shafter, Albert J., 1653, 1682
Shakir, Adnan, 1131
Shaldon, C., 1194
Shamberger, Raymond, 109
Shandar, A., 1092
Shanley, B. C., 1143
Shapiro, A., 2680, 2683, 3384
Shapiro, Irving M., 1962
Shapiro, Lawrence R., 963, 1263, 1402,
Shapiro, Samuel, 3341
Sharf, M., 2894
Sharma, Manjit K., 2020
Sharma, Raj K., 2210
Sharp, Frank, 2350, 2351
Sharp, Harvey L., 2297, 2910
Sharp, Howard C., 2061
Sharp, J. C. M., 1071
Sharpe, Lawrence G., 2086
Shasby, D. Michael, 2029
Shaw, A. E., 1063
Shaw, Anthony, 2709
Shaw, D. A., 2999
Shaw, K. N. F., 3052
Shaw, T. R. D., 2925
Shaw-Dunn, John, 2350
Shearer, Ann, 1634
Shearer, William T., 3284
Shears, Loyda M., 1680
Sheehan, Jane S., 2097
Sheffield, B. F., 2203
Shelburne, Samuel A., 977
Shelley, Edward M., 2094
Shelley, Ursula, 143
Shenker, Lewis, 2744
Shenkman, L., 2179
Shepard, F. M., 2284

Shepard, Thomas H., 170, 2388, 3189
Sheppard, P. M., 3250
Sheppard, R. J., 2222
Sheppard, Rachel D., 1947
Sherard, Earl S., 1310, 3541
Sheremata, William, 2948
Sherlock, S., 865, 917, 1770
Sherman, Alfred I., 2728
Sherman, Debra, 2194
Sherwin, Allan L., 2420
Sherwin, Ira, 3323
Sherwood, P. H., 1177
Shetty, Taranath, 242, 2090
Shibata, K., 2518
Shields, Joan, 1570
Shields, Larry, 3424
Shier, R. W., 146
Shih, Vivian E., 1160, 2213
Shilkin, K. B., 1922
Shillis, Joan L., 1927
Shimizu, T., 2734
Shine, Ian, 1699, 2766
Shinefield, Henry R., 991
Shinmaru, Seiji, 2390
Shipe, Dorothy, 571
Shirachi, R., 1859
Shirodaria, Champac, 847
Shoff, Janet, 2036
Shohet, Stephen B., 191
Shojania, Majid, 1010
Shope, Thomas, 976
Shotick, Andrew L., 637
Shuman, Joyce, 287
Shumway, Clare N., 167, 2825
Shurtleff, David B., 2314
Shushan, Robert D., 3536
Shuster, Susan K., 605
Shyrock, William, 737
Siakotos, Aristotle N., 3150
Sibinga, Maarten S., 318, 1180
Sibout, M., 3263
Sidiropoulos, D., 1615, 1929
Sidman, Murray, 3487
Siegel, Barry A., 3231
Siegel, Sharon R., 2402
Siegenthaler, Bruce M., 1472
Siem, Robert A., 1880
Siersbaek-Nielsen, K., 3313
Siesjo, B. K., 1110, 1354
Sigler, Gary R., 677
Signer, E., 2465
Signore, J. M., 431
Silber, David L., 232
Silberstein, Edward B., 1403
Siliato, F., 250
Sillup, Helen, 3029
Silver, Archie A., 566
Silvers, David N., 1121
Silverstein, A. B., 584, 1543
Silverstein, Arthur M., 1809
Simell, O., 1140
Simila, Seppe, 80
Simmons, Michael A., 2934
Simon, G. B., 2578, 2678, 3540
Simon, Gary A., 3012
Simonsen, H., 3394
Simonsson, H., 1361
Simopoulos, Artemis P., 289, 2238
Simpson, D. A., 1323
Simson, R. E., 1092
Singer, Harvey S., 1118
Singer, J., 2334, 2483
Singer, J. D., 1420
Singh, Naunihal, 2118
Singh, Sarjit, 2162
Singhal, Renu, 3225
Sinha, Shyamal K., 487, 2868
Sinniah, Davendralingam, 1250
Sinno, Anwar A., 1254
Sinson, Janice, 3468
Sipe, Jack C., 3154
Sirisinha, Stitaya, 2169
Sissman, Norman J., 387
Sisson, Thomas R. C., 111, 176, 2015
Sitprija, V., 2964
Sivanesan, S., 3178
Sizonenko, P. C., 1137, 1928, 2848
Sjogren, Irene, 779
Skaarbrevik, Karl Johan, 672
Skinhoj, Peter, 164, 2833
Skinner, Gordon R. B., 78
Skoldenberg, Birgit, 1939
Skrede, Sverre, 298
Slack, Joan, 2222
Slater, Eliot, 2706
Sleigh, J. D., 2022
Slessor, A., 934
Slinn, R. F., 135
Sloman, Leon, 614
Slone, Dennis, 3341
Slooff, Joop L., 2908
Sloop, E. Wayne, 2638
Slungaard, Rolv K., 2823
Sly, William S., 1246
Small, Arthur, 219
Smart, G. E., 2345, 2346
Smith, Alfred A., 3257
Smith, Arnold L., 1894
Smith, Barbara A., 2211
Smith, Beth A., 991
Smith, C., 2338
Smith, Carol A., 3001
Smith, Charles, 65, 69, 816, 986, 2061
Smith, Clement A., 3018
Smith, David H., 964
Smith, David W., 406, 507, 1162, 1274, 1433, 2718, 3193, 3200, 3358
Smith, Dennis B., 2419
Smith, E. Durham, 3248
Smith, Edward W. P., Jr., 1904
Smith, F. O., 1034
Smith, G. F., 2482, 2483, 3344
Smith, G. Keys, 3248
Smith, Hillas, 2959
Smith, Holly M., 1967
Smith, Ira, 1603
Smith, J. Baldwin, 103
Smith, Ken, 3159
Smith, Lawrence D., 3321
Smith, P. G., 916
Smith, Ronald E., 36
Smith, Selwyn M., 3001, 3006

Smith, Thomas C., 2437
Smith, Thomas F., 2786
Smith, W. Lynn, 226
Smitham, J. H., 2885
Smithells, R. W., 18, 378, 1756
Smithwick, Elizabeth M., 151
Smit-van Hemert, C. M. W., 724
Smitten, Lizabeth, 3071
Snyder, C. Harrison, 3547
Smokoski, Fred J., 1583
Smolev, Susan Roth, 700
Snoeck, J. M., 1949
Snyder, C. Harrison, 2455
Snyderman, Selman E., 2640
Sofroniadou, K., 1959
Sohn, Richard S., 3231
Sokol, Marlene, 3143
Solberg, C. O., 2979
Solomon, Gail E., 2413
Solomon, Murray, 1523, 3386
Soltermann, R., 60
Solvin, Steven, 389
Somasundaram, Kylasan, 1250
Somerwill, Lawrence, 2370
Sommer, Annemarie, 505
Sommer, H., 2242
Sommers, Sheldon C., 1839
Sonnabend, Wolfgang, 902, 1907
Sonneborn, Marguerite, 3067
Soodalter, Jane, 2862
Soontharotoke, C., 3282
Sopher, Dinah, 1966
Sophian, John, 898
Sorenson, Herbert W., 642
Sosa, A., 2151, 2152, 2153
Soukup, Shirley, 1386
Soulier, Jean-Pierre, 1793
Sousa, Calhau E., 2906
South, Mary Ann, 984
Southern, Mara L., 548
Sovik, Oddmund, 913
Sowden, R., 1086
Sparkes, Robert S., 1455, 3383, 3429
Sparling, P. Frederick, 2941
Sparrevohn, S., 1392
Spathis, G. S., 2108
Spears, Robert L., 1863
Specter, Michael J., 118
Spector, E. B., 3074
Speicher, C. E., 1712
Speidel, B. D., 18, 2411, 2450
Speijer, N., 3529
Spellacy, Frank, 1540
Spellacy, W. N., 433, 1763, 3310
Spence, Leslie, 943, 1796
Spence, Sarah, 765
Spencer, D. A., 1638, 1649, 2699, 3597
Spencer, Edwin S., 85
Spencer, Richard P., 1825
Spicer, C. C., 2515, 2516
Spillange, J. D., 1469
Spilsbury, Paul R., 2128
Spitz, Herman H., 595, 1519, 2600, 3494
Spotswood, L. Spruance, 2061
Spradlin, Joseph E., 3543
Spranger, J. W., 1201
Spray, G. H., 2417
Spriet, A., 417
Spriet, C., 417
Spriggs, Arthur I., 3415
Sproule, W. B., 818, 1281, 2362
Spruance, S. L., 986
Sprunt, Katherine, 2353
Sroufe, L. Alan, 3017
Staal, Arthur, 3256
Stabell, I., 3394
Staffurth, J. S., 2181
Stagno, Sergio, 2777
Stahlman, M., 2284
Stainier, L., 1203
Stalder, G., 2465, 2511, 3370
Stallworthy, J. A., 50, 825
Stamp, T. C. B., 2445
Stanbury, John B., 2206
Stanhope, C. Robert, 1040
Stapleton, Thomas, 1167
Starett, Andrea L., 1955
Stark, Earl W., 1337
Stark, Gordon, 1225, 1226, 1283
Stark, V., 2148
Starkovsky, N. A., 1846
Starling, Kenneth A., 1187
Starreveld-Zimmerman, A. A. E., 3317
Start, Armand, 852
Stavraky, Kathleen, 2754
Stayton, Samuel E., 538, 2593
Stearns, Keith, 606
Steele, J. C., 2052
Steele, Russell W., 2973
Steenstrup, O. R., 1452
Steer, P. J., 3251
Stefanis, Costas, 1959
Stegink, Lewis, 2120, 3144
Stein, Arthur O., 267
Stein, Bennett M., 1255
Stein, O., 2805
Stein, S. M., 2328
Stein, Y., 2805, 3207
Stein, Zena, 2217, 2537
Steinberg, Charles R., 1765
Steinberg, Florence S., 3374
Steinberg, S. A., 2237
Steisel, I. M., 318
Stenchever, Morton A., 2742
Stene, J., 164, 2564
Stengelhofen, J., 3456
Stengle, J. M., 1950
Stephen, Rhona, 3061
Stephens, R. J., 2281
Stephens, Rosemary, 1170
Stephens, W. B., 2842
Stephens, Wyatt E., 1501, 3474
Stern, Eugene, 3302
Stern, H., 2855
Stern, J., 3015
Stern, Leo, 186, 1237, 1251, 1303, 1312, 1973, 2277, 2408
Stern, Loraine M., 1245
Steven, E. M., 2404
Stevens, B. J., 2149, 2231, 3020
Stevens, Emily A., 660
Stevens, L. H., 3301

Stevenson, Alan C., 141, 951
Stevenson, Helen L., 1667
Stevenson, J., 1938
Stevenson, Roger E., 2221
Steward, J. H., 1086
Steward, J. K., 1381
Stewart, A. D., 818, 1298
Stewart, D. A., 1367
Stewart, John A., 1872
Stewart, Mark A., 235, 3017
Stickler, Gunnar B., 1735
Stiehl, Adolf, 2642
Still, W. J., 907
Stinson, Dora A., 1715
Stock, M. J., 3023
Stockman, James, 1268
Stocks, J., 2854
Stoddard, G. R., 3391
Stohlman, Frederick, Jr., 2391
Stokes, Joseph, Jr., 81, 835, 842, 1877, 2853
Stokes, Mollie I., 1007, 1924
Stokke, Oddvar, 298, 2183
Stolecke, H., 1133
Stolfi, Joseph, 2377
Stoller, Alan, 463
Stone, M., 72
Stoneman, Zolinda, 3498
Storey, Wray D., 2779
Storms, Lowell H., 1534
Stossel, Thomas P., 868
Stout, L. Clarke, 973
Stout, Marilyn, 938
Stowens, Daviel, 3350
Straight, Belinda, 1689
Strandvik, Birgitta, 2837, 2838, 2839
Strannegard, Orjan, 1005, 2858
Strassburg, David A., 2793
Straus, P., 214
Strauss, Lotte, 1713
Strayer, Douglas W., 694
Strecker, Ernst-Peter, 3169, 3299
Street, D. R. K., 3381
Streifel, John, 662
Strickland, G. Thomas, 1155
Strickland-Cholmley, M., 1802
Strobl, Donald, 1481
Stromberg, B., 1109
Strominger, Donald B., 3284
Stromme, Johan H., 298, 299
Stroud, C. Eric, 1371
Strouf, Michael J., 36
Stuart, Marie, 1268
Stuart-Harris, Charles, 88, 89, 90, 91, 92, 93
Stuck, Gary B., 646
Stuckey, Suzanne J., 1175
Stumpf, David, 339
Sturman, John A., 316, 1197
Stutz, R. M., 190
Styfco, Sally J., 596
Su, Philip C., 2422
Subrt, I., 2494
Sudman, Dorothy A., 1709
Sugarman, Gerald I., 3285
Sugita, Mutsumi, 2188
Sullivan, Michael J., 3186
Sullivan, P., 1344
Sultz, Harry A., 804
Sumi, S. Mark, 3280
Summer, George K., 798
Summitt, Robert L., 376, 1274, 3427
Surainder, Yeldandi, 834
Surana, R. B., 1393, 2460, 3417
Suskind, Robert M., 2144, 2169, 3029, 3030
Suskov, I. I., 2524
Susser, Mervyn, 2217, 2537
Sutcliffe, R. G., 1355
Sutherland, Alexander H., 1678
Sutherland, G. R., 1391, 1395, 1396, 1454, 1459
Sutherland, H. W., 2336
Sutherland, James M., 1795, 2315
Sutherland, John G., 1678
Sutnick, A. I., 1448, 2004
Sutow, Wataru W., 1187
Suzuki, J., 1489, 1490
Suzuki, Kunihiko, 3162
Svandova, E., 2873
Svennerholm, Lars, 285
Svenningsen, N., 870, 1110, 1354, 2170, 2327, 2896, 3265, 3296
Swaiman, Kenneth F., 120, 2910
Swale, J., 3109
Swanepoel, R., 948
Swanson, Marilyn, 3096
Swartz, Jon D., 746, 1647
Sweeley, Charles C., 2645
Sweenie, Sandra, 1297
Sweet, Avron Y., 2370
Sweet, Elizabeth M., 3184
Sweetman, Brian J., 1376
Swenson, Stuart H., 606
Swift, Thomas R., 335
Swisher, Charles N., 3343
Swisher, Linda Peck, 366
Switzky, Harvey N., 583, 3457, 3491
Swoveland, Peggy, 1845
Swyer, Paul R., 1343
Syamasundar, Roe, 387
Sykes, Donald H., 1108
Sykes, Elizabeth, 239
Sykes, R. M., 2806
Sylvester, P. E., 429, 733, 3088, 3103, 3445, 3446
Symmes, Jean S., 245
Symon, Lindsay, 2281
Symons, J. C., 2760
Sype, M. Susan, 1572
Sypert, George W., 3259
Syrett, J. E., 1427
Szabo, A., 2514
Szalay, Glenn C., 1275
Szego, Katarina, 444
Szmuness, Wolf, 149
Szujewski, Peter F., 2309
Szul, Michael, 1698

Tabb, P. A., 1890
Tada, K., 1859, 2196
Taeusch, H. William, Jr., 2408
Taft, Lawrence T., 1228

Taghizadeh, A., 3206
Taitz, L. S., 1415
Takada, G., 2196
Takahashi, Akihike, 1619
Takahashi, Matsuo, 1781
Takau, A., 1489, 1490
Takekoshi, Yasue, 285
Takla, Roger, 414
Talbert, David, 2733
Talkington, Larry W., 509, 645, 684, 757, 764, 1568, 1592, 1631, 2996
Tallman, John F., 3133, 3136
Tamayo, Marcina, 3032
Tamir, I., 3180
Tammisto, P., 2454, 3318
Tamura, Takashi, 3375
Tan, Kim-Leong, 393, 773, 1920
Tanghe, W., 2533
Tangheroni, Willy, 2519
Tanios, A., 3062
Tanner, J. M., 701, 1356
Tanno, H., 1780
Taor, G. M., 2125
Tardibunono, John S., 1472
Tarjan, G., 2684
Tarter, Ralph E., 2435
Taswell, Howard F., 1984
Tateson, R., 3084
Taussig, Lynn M., 2300
Tauxe, W. Newlon, 3078
Taylor, E. Stewart, 767
Taylor, F. M., 915
Taylor, Harold A., 3065, 3068
Taylor, J. B., 716
Taylor, John F., 578
Taylor, William F., 1037
Taysi, Kutay, 1388, 3419
Teasdale, Francois, 3236
Tec, Leon, 397
Teichholz, Louis E., 1754
Telfer, M. A., 1394
Tenenbaum, Stanely M., 3043
Ten Kate, L. P., 2130, 2495
Tenner, Michael S., 1255
ten Veen, J. H., 901
Teotia, Mohini, 2430
Teotia, Surendra P. S., 2430
Teraura, Teksuaki, 2390
Terashima, Shigenobu, 2913
Teresita, S. Elizan, 2821
Ter Meulen, V., 893, 2846, 2852
Terplan, Kornel L., 2200, 3165
Terraz, M., 1928
Terrenato, L., 1852
Terrier, Elisabeth, 2968
Tessier, F. Annette, 344
Tettamanti, G., 265
Tew, John M., Jr., 3253
Thal, Ernst, 95
Thaler, M. M., 1968, 1975, 2642
Thatcher, L. Gilbert, 1902
Thayer, Walter R., Jr., 2023
Theile, Ursel, 2299
Thein, Peter, 893
Therkelsen, A. J., 456, 1452
Thibeault, Donald W., 2355
Thibodeau, Gerard, 2585
Thieffry, S., 326, 1058
Thiel, G., 3093
Thies, William, 1363
Thiessen, H., 995
Thiry, L., 1949
Tholen, H., 3093
Thom, Anneliese Fischer, 209
Thomas, Arthur, 2594
Thomas, D. B., 3183
Thomas, E., 2569
Thomas, George H., 3068, 3555
Thomas, H., 515
Thomas, Joseph T., 2210
Thomas, Lora N., 3039
Thomas, Margaret, 1288
Thomas, Richard L., 1611
Thomas, V. H., 997
Thomas, W. R. G., 1971
Thomson, D., 2345, 2346
Thomson, Niels, 1446
Thompson, David, 1582
Thompson, Eileen, 2566
Thompson, George R., 1927
Thompson, L., 3038
Thompson, Lloyd J., 550
Thompson, R. P. H., 183
Thompson, Robert G., 3030
Thompson, W., 3172
Thong, Y. H., 2973
Thor, Donald H., 3480
Thorburn, Marigold J., 460, 479, 1436
Thouless, Margaret E., 78
Thoulon, J. M., 1727
Thulin, T., 870, 2896
Thuline, Horace C., 1428
Thurlow, Martha L., 2995
Thurston, Don L., 2440
Tibbles, John A. R., 1287, 2864
Tiepolo, L., 451, 459
Tierney, Donald F., 2355
Tijl, William F. J., 2908
Tiling, T., 1977
Tiller, Mary, 2777
Timothy, J. A. D., 454, 3234
Timperman, A. L., 383
Tinaztepe, Keriman. 1388
Tippett, Patricia, 492, 495
Tipton, R. H., 1708
Tipton, Robert M., 2611
Tischler, Bluma, 485, 1174, 1608, 3143
Tizard, Jack, 2588
Tjie, Joe-Hin, 452
Tobin, James R., 832
Toews, Judy, 1749
Togo, Yasushi, 873
Toister, Richard P., 3462, 3539
Toivanen, Paavo, 944
Tolby, Blaine E., 1714
Tomaro, Malinda S., 1591
Tominaga, Suketami, 873
Tomlinson, A. H., 1728
Tondury, G., 2513
Tonomura, Akira, 2517
Tonz, O., 1232
Tooley, William H., 861, 1709, 2355
Toppozada, H. K., 141

Torack, Richard M., 3159, 3231
Tori, Carlos A., 2862, 3230
Touloukian, Robert J., 1825
Tovey, L. A. Derrick, 1944
Towers, Shona H., 174
Towner, Joseph W., 497
Townes, Philip L., 323
Townsend, H. R. A., 3436
Traisman, Howard S., 1269
Tralka, T. S., 2030
Traub, Renee G., 126, 2028, 2984
Trautner, Hans, 1923
Travers, Richard D., 1375
Tredger, Enid, 1778
Trethowan, W. H., 3596
Trias, E. P., 2639
Triger, D. R., 941
Trigg, Michael E., 3294
Trijbels, J. M. F., 275, 305
Trimble, Sally, 1049
Trindade, P., 2856
Tripodi, D., 1846
Trolle, Dyre, 2573
Tropp, Richard, 2740
Trotter, John L., 3160
Troupp, Henry, 1113
Trowbridge, Frederick, 2093
Trueb, Lucien, 1213
Trusler, Suzanne, 207
Truswell, A. Stewart, 260
Trybus, Raymond J., 1610
Tryggvason, Kristbjorn, 1441
Tsao, Carrie, 1387
Tseng, M. S., 1545, 2619
Tsuji, K., 2734
Tu, Junbi, 1173
Tucker, S. M., 2855
Tucker, Virginia, 2572
Tukei, P. M., 916
Tulinius, Hrafn, 1441
Tuncay, Orhan C., 1962
Tuncbilek, Ergul, 2470
Turnbull, A. C., 1340, 1347, 2900, 3244
Turner, Brian, 294, 1248, 2459, 3026, 3091
Turner, Gillian, 138, 946, 1315, 1356, 2459
Turner, Harold, 1607
Turner, Janeth L., 3307
Turner, R. C., 1019, 2108
Turns, Danielle M., 1523
Turnure, James E., 587, 632, 2995
Turpin, Raymond, 474
Tuvemo, T., 1408
Tygstrup, Inge, 2534
Tyler, Nancy, 2603
Tymchuk, Alexander J., 1609, 3492
Tyrer, J. H., 2424
Tyrrell, D. A. J., 648, 867, 1865

Ueland, Kent, 3280
Ulhoa-Cintra, A. B., 2184
Ullman, Douglas G., 1497
Ullman, William, 2981
Ulrich, A. Frank, 2383
Umana, Gabriel, 205
Underhill, Rosemary A., 1317
Ungari, S., 1336
Unger, W. M., 1439
Upton, Adrian R. M., 1807
Urbane, Richard C., 545
Urich, H., 2285
Urmson, Joan, 1268
Urrusti, Juan, 2151, 2152, 2153, 2228
Ursell, W., 2347
Usher, Robert, 215, 834, 1266
Ustuoplu, Sedat, 141

Vaclavinkeva, Vlasta, 95
Vaheri, Antti, 880, 1956
Vahlquist, Bo, 1167
Vakil, Damodar V., 35
Valdes, Orestes S., 167, 2825
Valdes-Dapena, Marie, 1462
Valente, Mario, 2167
Valentine, G. H., 467, 1739
Valenzuela, R. H., 2251
Valeri, C. R., 2391
Valerius, Niels Henrik, 1350
Valimaki, Ilkka, 2333
Vallet, H. L., 1287, 1435
Vallotton, M. B., 1928, 2848
Valman, H. B., 148, 348, 421, 3027
Van Allen, Maurice W., 2075
Van de Water, Lisa C., 452
van den Bergh, R., 2294, 3544
Van Den Berghe, G., 2847
van den Berghe, H., 2533
Van Der Blij, J. F., 3056
Van Der Hagen, C. B., 3152
Van Der Kolk, W. J., 3317
van Gorp, L. H. M., 942
VanderLaan, Eileen F., 2205
VanderLaan, W. P., 2205
Vander Zee, S. P. M., 275, 305
Van Elsen, August F., 2410
van Eygen, M., 2533
van Loghem, J. J., 901
Van Meter, John C., 3321
Van Pels, J. D., 768
van Straubenzee, W. R., 1588
Van Vliet, P. K. J., 248, 249, 3191
Vance, John C., 2789
Vandever, Thomas R., 3523
Vapalahti, Matti, 1113
Vardaro, Linda, 1377
Variend, M. S., 2565
Vas, Stephen I., 1796
Vasan, N. S., 2150
Vass, L., 1733, 2514
Vassella, F., 309, 423, 1615, 2063, 3055
Vaudour, G., 1192
Vaughan, Martha, 868
Veale, A. M. O., 2510, 2748
Vejlsgaard, Rene, 1055
Velasco, Luis, 2151, 2152, 2153, 2228
Venkatachalaiah, G., 499
Verdure, L., 97

Verma, S. K., 341
Vernace, S., 1856
Veronelli, Jorge, 1956
Verrall, V. M., 909
Verresen, H., 2533
Vert, P., 3263
Vesikari, Timo, 1956, 2817
Vesterhus, Per, 3355
Vickery, Kenneth, 2772
Victor, David I., 2421, 2975
Victorin, Lars, 1186
Vidnes, Jostein, 913
Vidyasagar, D., 2371
Vienna, Angela M., 2478
Vierucci, A., 2004
Vietti, Teresa J., 1187
Vigouroux, Roger A., 3334
Villalba, M., 3089
Villarejos, Victor M., 82, 2853
Villee, Dorothy B., 1754
Villegas, Jesus, 1463
Vince, F. P., 701
Vincent, Monroe M., 2973
Vincent-Smith, Lisbeth, 3490
Vines, Alison, 1086
Vinh, Le Tan, 1058
Vis, Henri L., 2206
Visakorpi, J. K., 276
Vischer, Dieter, 2403
Visscher, M. De, 1120
Vissoulis, Ch., 2044
Vital, C., 517
Vitello, Stan, 2585
Viteri, F., 1159
Viukari, N. M. A., 2454, 3318
Vlahakos, Irene, 2585
Vlasova, T. A., 1663
Voeller, Kytja, 1801
Voga, Arthur, 574
Vogel, William C., 2161
Vogels, G. D., 275
Vogt, Helge, 1156
Voirol, Michel, 3219
Volk, Bruno W., 1378, 1464
Volk, L. R., Sr., 1422
Volpe, Joseph J., 2106, 3339
Von Koskull, H., 3372
Voorhees, Susan, 3510
Voorhess, Mary L., 500
Voorhoeve, H. W. A., 724
Vora, Pravin H., 1234
Vorhees, Charles V., 1051
Vorse, Hal, 973
Vuia, O., 3246
Vulliamy, David G., 1335
Vyas, G. N., 1960

Waaler, Per Erik, 1123, 2183
Wachs, Harry, 1477
Wachs, Theodore D., 544
Wada, Y., 2196
Wadlington, W. B., 2137
Wadsworth, H. G., 678
Wagener, D. J. T., 3421
Wagner, Ann Lise, 1471
Wahlen, Tore, 2972
Wainright, Robert L., 181
Waisman, H. A., 2211
Waite, B. Moseley, 1305
Waite, Kathleen B., 649
Waked, N., 3049
Walbaum, R., 1455
Wald, Bart, 1700
Wald, Michael, 2406
Waldenmaier, C., 2518
Waldmann, Thomas A., 2232
Waldron, H. A., 1990
Wales, J. K., 2944
Walker, Bryan A., 1419, 2356
Walker, C. H. M., 1890
Walker, David, 1332
Walker, Stuart H., 301, 384
Walker, W., 1788
Walker, W. Allan, 2163
Walker-Smith, John, 2231, 3057
Wallace, Helen M., 2668
Wallace, Isobel, 2523
Wallace, J., 1004
Wallace, Robert B., 857, 933
Wallander, Bo, 2972
Waller, H., 2502
Waller, M., 2502
Wallis, P. G., 148
Walsh, J. J., 50
Walsh, M. Kateri, 632
Walshe, J. M., 2549
Walti, U., 1502
Waltimo, O., 2261
Walton, David S., 2272
Walton, J. N., 2135
Walton, K. W., 1002
Wamberg, Erik, 1125, 1189, 3107
Wambold, Clark, 3542
Wang, I., 1819
Wang, Leslie Y., 1709
Wang, May Y. F. W., 171
Warburton, Dorothy, 1402, 2528
Warburton, M. F., 2844
Ward, J. R., 986
Ward, L. Charles, 652
Ward, Michael P., 567
Ward, R., 1774
Ward, Samuel P., 3284
Wargo, Donald G., 540
Warin, J. F., 1773
Warkany, Josef, 1308, 1386, 2522, 3149
Warkel, Raphael L., 2907
Warner, Dennis A., 655
Warren, Joel, 776
Warren, Neil, 721
Warren, Richard J., 3406, 3427
Warren, Sue Allen, 661, 1630
Warren, W. Stuart, 1031
Washburn, Thomas C., 2819
Washington, J. A., II, 855
Washington, Juan L., 1955
Wasi, P., 930
Wasterlain, Claude G., 3328
Wasz-Hockert, Ole, 80
Watanabe, Itaru, 3150
Watanabe, Kathy, 2230

Watanabe, Kazuyoshi, 1284, 1289
Waterlow, J. C., 2177, 2202
Watson, Carrie M., 2583
Watson, Charles G., 1536
Watson, J. D., 433
Watt, Muriel S., 2338, 2751
Watters, Gordon V., 3437
Wattie, D. Ann, 1086
Wax, Stuart H., 2810
Wayne, Eli R., 2934, 2951
Wayne, Peter, 1700
Weade, Barbara L., 3505
Weaver, C. M., 2027
Weaver, L. A., 3449
Webb, G. C., 501
Webb, Thomas, 2586
Webb, Warren W., 838
Webster, D. R., 1996
Wechsler, W., 121
Wedgwood, Ralph H., 2912
Wegman, D., 931
Wehrle, Paul F., 925, 1028
Weible, Robert E., 82, 835, 842, 1877, 2853
Weidemann, J., 2324
Weinberg, Arthur G., 2145
Weinberg, Jerrold H., 2728
Weinberg, S., 3209
Weinbren, I., 2203
Weiner, Lawrence H., 623
Weiner, Leslie P., 1835, 1915, 2254, 2781
Weiner, Michael J., 2085
Weinerth, John L., 189
Weinschenk, Curt, 395
Weinshilboum, Richard M., 315
Weinstein, Louis, 1848
Weinstein, Mary, 2120
Weinstein, Morton R., 903
Weintraub, David, 205
Weir, Homer F., 181
Weisenberg, Allen, 1481
Weismann, U., 309
Weiss, Gabrielle, 239, 1108
Weiss, George H., 3012
Weiss, Howard S., 77
Weiss, Joseph J., 1927
Weiss, Lester, 496
Weiswasser, Warren H., 3200
Weitzman, E. D., 2363
Weitzman, Jordan J., 2878
Welch, J. Philip, 282
Welch, K. M. A., 2390
Welch, N. Noreen, 2150
Welch, Russell F., 3475
Welcher, Doris W., 1243
Wellby, Maurice L., 1122
Weller, Leonard, 1348
Wells, C. E. C., 2027
Wells, D. G., 2969
Wells, J. Vivian, 3301
Wells, R. S., 3261
Welsh, Jack D., 2187
Wender, Paul H., 238
Wendler, J., 1503
Wenner, Herbert A., 1022
Wennevold, Alf, 1128
Wepman, Joseph M., 1509
Werder, Edmond A., 1907
Werner, Emmy E., 529
Wertelecki, W., 3305
Wesner, Chester, 695
Westin, B., 1109
Westphal, O., 883, 1012
Wetherick, N. E., 3468
Wetterberg, L., 3382
Wettrell, G., 2327
Wewalka, Friedrich G., 2059
Whalen, Carol K., 702, 1525
Whalen, Richard E., 1525
Wharton, B. A., 1183
Wheeler, Frances B., 2207
Wheeler, Timothy, 3291
Whisnant, John K., 107, 2860
Whitaker, John N., 2970
White, Beverly J., 452, 2300
White, Billy G., 3321
White, David O., 1089
White, Frances, 1183
White, G. E., 2844
White, Harry H., 929
White, J., 1061
White, J. M., 1964
White, R. W., 1280
White, T. A., 1290
White, W. D., 1830
Whitehead, J. A., 1643
Whitehead, J. E. M., 1006
Whitehead, R. G., 292, 2180
Whitehouse, R. H., 701
Whitfield, C. R., 818, 1281, 2362
Whitman, Thomas L., 686
Whitson, David W., 381
Whybrew, D. W., 2026
Whyte, R., 2474
Wick, H., 1207, 1797, 3097
Wicker, Gloria L., 878
Wiedemann, H. R., 3295
Wiener, Saul, 1396, 1459
Wiesmann, Ulrich N., 1227, 3055, 3097
Wigglesworth, J. S., 260, 1943
Wiglesworth, Frederick W., 1251
Wilbanks, George D., 1042
Wilbourn, A. J., 431
Wilcken, Bridget, 3026
Wildbolz, A., 2241
Wilder, B. Joe, 2456, 3324
Wilder, Michael H., 1875
Wilensky, Alan J., 3325
Wilfert, Catherine M., 992, 2830
Wilkins, Jeanette, 988, 1038
Wilkins, Robert H., 352, 402
Wilkinson, Edward J., 3396
Wilkinson, Grant R., 3312
Wilkinson, Harold A., 3326
Wilkinson, I. M. S., 1937
Wilkman-Coffelt, Joan, 2228
Willems, C., 1193, 1203
Willems, Frans T. C., 2908
Willemse, J., 3101
Williams, Cicely D., 2141
Williams, E. H., 916
Williams, Eirian, 1970
Williams, Gordon H., 1754
Williams, H. Parry, 1286

Williams, I. R., 426, 1016
Williams, M. K., 926, 1986
Williams, Margaret L., 1282
Williams, Paul, 3533
Williams, Ralph, 2566
Williams, Roger, 183, 189, 1367, 1922, 2064
Williams, Roger A., 189
Williams, Sandra L., 1064
Williams, Stephen J., 49
Williamson, Christiane, 1417
Willoughby, H. W., 1790
Wills, Edward J., 1911
Willvonseder, Robert, 3078
Wilsnack, Roger E., 2907
Wilson, A. Murray, 2945
Wilson, Bryan G., 1678
Wilson, James W., 2131
Wilson, John, 1170, 2234, 2267
Wilson, John T., 110, 3312
Wilson, Miriam G., 497, 925, 2546, 3187
Wilson, Ronald S., 1513
Wilson, T. S., 379
Wilson, William P., 231
Wilton, J. M. A., 1003
Wilton, Leslie D., 909
Winand, R., 273
Winberg, J., 940
Wing, Adrienne, 1863
Winsnes, Arnt, 885
Winter, J. S. D., 2477
Winter, S. T., 769
Winters, John J., Jr., 1519, 3477, 3503
Winters, Stanley A., 630
Wiser, W. L., 2026
Wiser, Wilmer C., 3320
Witte, John J., 1864, 1909
Witting, L. A., 2265
Witzleben, Camillus L., 2263
Wohlleb, James C., 3168
Wolcott, George J., 3071
Wold, Richard G., 736
Wolf, Abner, 2835, 2836
Wolfe, L. S., 3140
Wolfensberger, Wolf, 1652, 1654, 2627, 2628, 2632, 2653, 2654, 2663, 2664, 2665, 2671, 2672, 2673, 2674, 2675, 2682, 2695, 2716, 3553, 3554, 3558, 3567, 3568, 3569
Wolman, Sandra R., 1263
Wolontis, Sigvard, 1939
Wolstenholme, G. E. W., 332
Wong, Shiu-Loong R., 508
Wong, Thomas T. T., 970
Wong, Y. K., 1069
Wood, B. S. B., 1069, 1753
Wood, Carl, 1332
Wood, D., 1088
Woodbury, Suzanne G., 3322
Woodd-Walker, R. B., 1184
Woodhead, Andrea P., 2977
Woodrow, J. C., 174, 1888
Woodruff, Jack F., 1169
Woodrum, David E., 2313
Woods, Kenneth R., 149
Woolam, D. H. M., 2
Wooley, H., 3400
Woolston, Joan, 3507
Woodward, Mary, 3521
Woosley, Paul, 2489
Wormald, P. J., 2791
Worth, R. J., 3276
Wortis, Joseph, 760, 1590
Wright, A., 1774
Wright, Francis, 703
Wright, George N., 671
Wright, Gregg F., 2659
Wright, Ralph, 941
Wright, Stanley W., 3429
Wright, Trevor, 502
Wu, Kenneth Kun-yu, 1711
Wunderlich, Richard A., 552
Wurster, D., 1202, 2392
Wusteman, F. S., 3082
Wyandt, Herman E., 48, 1714, 2469
Wyatt, James F., 3420
Wyatt, R., 2945
Wyll, Shelby A., 134, 911, 1864
Wyllie, Robert G., 3077
Wyne, Marvin D., 646
Wynn, Arthur, 2756
Wynn, Margaret, 2756
Wyrick, Waneen, 651

Xanthou, M., 1874

Yaffe, H., 2308
Yahr, Melvin D., 979
Yakovac, William C., 957
Yakovlev, Paul I., 2930
Yamada, Teiichi, 936
Yamak, Behice, 2364
Yamamoto, Tsutomu, 1384
Yamaoka, Hideki, 1384
Yamashita, Yutaka, 936
Yamauchi, Terry, 2863
Yanagisawa, S., 3407
Yanoff, Myron, 1031
Yao, A. C., 1930
Yarnell, Philip R., 2274
Yarom, R., 293
Yee, C. L., 2030
Yeung, C. Y., 192, 1903
Ylikorkala, Olavi, 80
Yodaiken, Ralph E., 1696, 3593
Yoder, Pam, 3460
Yoshida, P., 2151, 2152, 2153, 2228
Yoshida, T., 2151, 2152, 2153, 2196, 2228
Yoss, Robert E., 3078
Young, E. P., 2216
Young, Elisabeth, 2160
Young, G. C., 546
Young, Hamish, 2351
Young, Lowell S., 2035
Young, Patricia, 1981
Young, W. C., 2284
Youngblood, Leona, 831
Yow, Martha D., 2935

Ysseldyke, James E., 524, 1473, 3507
Yssing, M., 1098, 1128
Yu, J. S., 1175
Yu, Victor Y. H., 192
Yunis, Jorge J., 3412

Zachary, R. B., 2379
Zachau-Christiansen, B., 1098
Zachman, Richard D., 2382
Zackai, Elaine H., 1246
Zahnd, G. R., 1205, 1206
Zakaras, Michael, 686
Zamenhof, S., 2307
Zamet, P., 327
Zamvil, Louis, 1908
Zauha, Helen, 3553, 3557, 3560, 3567, 3569
Zavala, C., 3095
Zeaman, David, 3548
Zech, L., 1452, 2463
Zeitoun, M. M., 928
Zellweger, Hans, 437, 1164, 3364
Zeman, Wolfgang, 337, 3150
Zendel, Stephen A., 1864
Ziai, Mohsen, 2041, 2220
Ziegenfuss, Jay F., Jr., 1808
Zigler, Edward, 547, 582, 596, 3467
Zimmerman, Hyman J., 1895
Zimsky, Edmond P., 837
Zinner, Stephen H., 202, 2829
Ziring, Philip R., 132
Zletnik, I., 94
Zorab, Philip, 2235
Zoumboulakis, D., 1933, 2047
Zsako, Steven, 468
Zuckerman, A. J., 2776
Zuckerman, James E., 1729
Zuckermann, Emil C., 3333
Zuckerstatter, Marguerite H., 2829
Zuelzer, Ruby Thompson, 3413
Zuelzer, Wolf W., 3413
Zuger, Bernard, 1263
Zurbrugg, R. P., 1136, 1929
ZuRhein, Gabriele, 2398
Zwanikken, G. J., 3538

CUMULATIVE SUBJECT INDEX

The cumulative subject index has been compiled on the basis of abstract numbers rather than pagination.

Aarskog syndrome: *see under* **Abnormalities, multiple**

Abnormalities
anticonvulsant effects, 2418
cranial osseous defects from blighted potato in rats, 1966
etiology and prevention, 1761

Abnormalities, multiple, 3234
Aarskog (facial-digital-genital) syndrome, 3285
Aicardi syndrome, 1373, 2898
ataxia, hearing loss, and MR, 3289
Behr's syndrome (familial optic atrophy, spastic diplegia, and ataxia), 3220
blepharo-naso-facial malformations in family, 2318
Bloch-Sulzberger syndrome, 3227
Bloom's syndrome, 1204
of brain and eye and maternal drug use, 1030
in camptomelic dwarfism, 2392
in chromosome 1 trisomy, 2533
Coffin's syndrome, 1248, 3200
congenital athetosis, MR, dwarfism, lax skin and ligaments, 1202
with copper metabolism abnormalities, 3078
Cornelia de Lange syndrome, 1319, 3199
Cornelia de Lange syndrome; blood enzymes, 2482
Cornelia de Lange syndrome; cardiac disease, 387
Cornelia de Lange syndrome; chromosomes, 3344
Cornelia de Lange syndrome; evolution of phenotype, 411
Cornelia de Lange syndrome; self mutilation, 403
cranio-auriculo-radial syndrome, 424
cutis verticis gyrata-MR syndrome, 392
exomphalos-macroglossia-gigantism syndrome, 3295
facial abnormalities, kyphoscoliosis, and severe MR, 3238
in Fanconi's anemia, 890
focal dermal hypoplasia, 1350
"happy puppet" syndrome, 1291, 3436
hermaphroditism, 2376
and herpesvirus infections, 2935
with holoprosencephaly, 1247
hypomelia-hypotrichosis-facial hemangioma syndrome, 1318
with hypoparathyroidism, 2110
language disorder, convulsive disorder, and electrocardiographic abnormalities, 2421
leprechaunism (Donohue's syndrome), 414
little leopard syndrome, 2393
low birthweight with dwarfism and other anomalies, 359
Lowe's syndrome, 394, 2324
mammo-renal syndromes, 2508
Meckel syndrome, 3221
with microcephaly, 1246
new syndrome, 399, 1263, 2270
new syndrome (hypotonia, obesity, MR, and facial, oral, ocular, and limb anomalies), 3193
new syndrome (microcephaly, cataracts, kyphosis), 412
new syndrome (MR, genital abnormality, and presumed cardiomyopathy), 3192
oculocerebral syndrome, 1253
pigmentary retinal degeneration, cataract, microcephaly, and severe MR, 2272
popliteal pterygium syndrome, 2273
in progeria, 2323
with ring C chromosome, 2466
Rubenstein-Taybi syndrome, 1254
Senior syndrome, 2389
Smith-Lemli-Opitz syndrome, 1249, 1454, 3219, 3260, 3358, 3359
spino-cerebellar degeneration, hormonal disorder, hypogonadism, deaf mutism, and mental deficiency, 3088
and unclassified MR, 354
with 45,XO/46,XYq mosaicism, 3417

ABO factors
and abortion, 1767, 2749, 2750
in fetal erythroblastosis, 169
fetal-maternal blood incompatibility, 1008
and phototherapy, 956
Rh sensitization, 1888
spectrophotometric analysis of amniotic fluid, 812
in transfusion reaction, 970

Abortion, 49, 821, 2742, 2743
ABO factors, 1767, 2749, 2750
air embolism and maternal death, 1764
counseling, 822
and emotion, 803
in England, 51, 1755
hypertonic saline complications, 1765, 2741
induced; chromosome studies, 3433
induced; transplacental hemorrhage, 823
latent morbidity after, 1757, 2754, 2755, 2756, 2761, 2764
legal, in U.S., 809
legal; safety, 825
and medical ethics, 1750
in New York City, 801
in New York State, 52
risks, 50, 53
selective, 2720
spontaneous, in anencephaly and spina bifida, 2753, 3245, 3252
spontaneous; triploidy, 2498
urea induced, 47
vacuum aspiration, 810, 811
in Wales, 1755

Abruptio placentae
proteinuria, 2345
renal lesions studied by light and electron microscopy, 2346

Abscess, cerebral
in children, 328

Accidents
and surgical emergencies in MR children, 2084

Achondroplasia
hydrocephalus in; cisternography, 1256

Acidosis
and branched-chain ketoaciduria, 2211
congenital lactic, 2332
congenital lactic; biochemical studies, 298
congenital lactic; in siblings, 299
degeneration of white matter, 3209
fetal; intraamniotic bicarbonate infusion, 1311

metabolic, in infants, in relation to dietary protein intake, 2170
in newborn infant, and placental transfusion, 3264
thiamine-responsive lactic, and pyruvate metabolism, 2155

Acidosis, renal tubular, 1199
in salt-losing syndrome of congenital adrenal hyperplasia, 1136

Acne
and diphenylhydantoin, 3304

Acrocephalosyndactylia
hydrocephalus in, 377

Acrodysostosis
and pseudopseudohypoparathyroidism, 405, 406

Actinomycin
D banding of human chromosomes, 3345

Adenine
arabinoside, in cytomegalovirus disease, 2956
in Lesch-Nyhan syndrome, 275, 3071

Adenocarcinoma
endometrial, in Turner's syndrome after diethylstilbestrol therapy, 3396

Adenoma
β-cell, in hypoglycemia controlled with diazoxide, 957
islet cell, and neonatal hypoglycemia, 2832

Adenovirus infections, 1023
and immunofluorescence, 1989
subacute focal adenovirus encephalitis, 2770
type 7 pneumonia, 80, 2942

Addison's disease
with ketotic hypoglycemia, 913
with leukodystrophy, 343

Adenomatosis, familial endocrine
reversal diazoxide, 2203

Adenosylated compounds
in homocystinuria, 321

Adolescents
borderline MR in low and middle income, 3465
rubella, 911

Adrenal cortex
fetal morphology and estriol secretion in pregnancy, 58

Adrenal gland diseases
congenital hyperplasia, 1117, 1132, 1133, 1136, 1139, 3036
congenital hyperplasia; chromosome abnormalities, 1437
congenital hyperplasia; partial 3-β-hydroxysteroid dehydrogenase deficiency, 319
congenital hyperplasia, with low x-chromosome frequency, 391
tumors and trisomy D, 2476
11-β-hydroxylase deficiency and electrolyte balance, 1137

Adrenogenital syndrome
in infant, 1119

Affective disturbances
Halstead-Reitan Test Battery, 1535

Aflatoxin
and Reye's syndrome, 1966

Africa
Australia antigen in, 921
measles pathogenesis, 2917
protein calorie malnutrition, 3104

Agammaglobulinemia
with β lymphocytes, 154
transplantation of treated lymphocytes, 991

Agar
for hyperbilirubinemia, 2954

Aggression
and communication deficits in MR, 1592

Aging
accelerated maternal, in Down's syndrome, 1421, 1428
brain, in Alzheimer's disease, 1213
population in residential facilities in England, 2656

Aicardi syndrome: *See under* **Abnormalities, multiple**

Alabama
media workshops on rehabilitation, 719

Alanine
decreased availability and epinephrine insufficiency in ketotic hypoglycemia, 2848

Albumin
-bilirubin binding in newborn infant, 1973
measuring turnover ratio in hypoproteinemia, 2163
plasma; effect of orotic acid on bilirubin-absorptive power in newborn infant, 887

Alkylating agents
chromosome mutations induced by in Down's syndrome, 2497
effect on brain, 121, 122

Allergy: *see* **Hypersensitivity**

Alper's disease: *See under* **Brain diseases**

Alzheimer's disease, 332
brain aging, 1213
cerebrospinal fluid flow, 3231
and Down's syndrome, 329, 470
in one monozygotic twin, 2234
striatonigral degeneration and inflammatory changes, 3160

Amaurotic familial idiocy (*See also* Tay-Sachs disease)
juvenile; urinary excretion of amino acids, 2266

late infantile, 2265
late infantile and juvenile; muscle, nerve, and skin involvement, 2264
lymphocyte inclusion in late-onset, 2263
sialic acid in erythrocytes, 2245
tapetoretinal degeneration, 2267

Amino acid metabolism, inborn errors
aminoaciduria, 3031
and central nervous system lesions, 2122
hyperdibasicaminoaciduria, 2167
hyperglycinemia with ketosis from isoleucine metabolism defect, 3043
in Sjogren-Larsson syndrome, 2120
screening program, 3033

Amino acids
blood-brain transport in phenylketonuria, 2121
composition in central nervous system malformations, 3177
defective gluconeogenesis from, in small-for-dates newborn infant, 3053
excretion in oral loading of phenylalanine, 1127
in vitro uptake in protein-calorie malnutrition, gastroenteritis, and after neomycin, 1184
ketotic hypoglycemia with branched-chain aminoacidemia, 1012
low phenylalanine preparations, 1126
plasma and erythrocyte, in protein-calorie malnutrition, 1185
plasma, of infants, 2123
requirements for normal infant growth, 3039
urinary excretion in familial juvenile amaurotic idiocy, 2266

Aminolevulinic acid
screening in lead poisoning, 118

Aminophylline
in apnea, 3175, 3283

Ammonia
experimental encephalopathy in primate, 1034

Amniocentesis (*See also* Amniotic fluid) 23, 27, 786, 808, 2720
and ABH secretor status of fetus, 40
chromosome preparation, 25
in evaluating thyroid gland function, 300
in fetal erythroblastosis, 178
hazards, 1724, 1725
and medical ethics, 1746, 1747, 1748
and mosaicism, 1432
pneumothorax complicating, 1715
restrictive consent, 1714
risks in early pregnancy, 2721
and ultrasonics, 2725

Amnioscopy
in high-risk pregnancy, 1300

Amniotic fluid (*See also* Amniocentesis)
in abnormal pregnancy, 34
1 - antitrypsin, 1727, 2762
α-fetoprotein in antenatal diagnosis of spina bifida, 3184
amino acid composition in central nervous system malformations, 3177
analysis and fetal maturity, 796
Australia antigen in, 1859
bilirubin in, 187, 193, 194, 195, 197, 198, 199
cell cultures, 787
chromosome preparations, 784
composition in central nervous system malformations, 2349
computer-assisted spectrophotometric analysis in fetal erythroblastosis, 1029
fetal maturity score, 33
intracellular organelles and enzymes, 31
lecithin concentration and respiratory distress syndrome, 1280, 1313, 1340, 1347, 3243
lecithin/sphingomyelin ratio, 818, 1281, 2728
lecithin/sphingomyelin ratio and dexamethasone, 3180
lecithin/sphingomyelin ratio in diabetic mothers, 3207
myelocele and α-fetoprotein in, 3172
Ovenstone analysis, 2810
phospholipids; colorimetric method and relationship to respiratory distress syndrome, 1305
protein content from normal and Rh-pregnancies, 1014
pseudomosaicism in cells, 450
quinacrine mustard fluorescence of sex chromatin, 1768
in respiratory distress syndrome; shake test, 2336, 3271
in respiratory distress syndrome; test for surfactant, 2355
in Rh-isoimmunization and hepatosis pregnancies, 1726
spectrophotometric analysis in ABO incompatibility, 812
triglyceride levels and fetal maturity, 26

Amoeba
Naegleria fowleri isolated in soil, 935

Amphetamine
in hyperkinesis, 2648, 3011

Ampicillin
in *Haemophilus meningitis*, 103, 2017, 2823, 2830, 2831

Amyotrophic lateral sclerosis, 1211

Anemia, 143
autoimmune hemolytic, with glomerulonephritis, 153
following phototherapy in fetal erythroblastosis, 162
iatrogenic neonatal; blood transfusion, 2400

Anemia, Cooley's: *See* Thalassemia, beta

Anemia, Fanconi's
in newborn infant, 890

Anemia, hemolytic
from methylene blue dye, 1881

Anencephalus, 2305, 3223
α-fetoprotein level, 1259, 2334, 2341
birth control, and sex ratio in child, 2303
in British Isles, 364
in Chile, 3188
and iniencephaly, 2388
in Ireland, 1295

and ovulation stimulation, 2330
physiologic and endocrine study, 355
and potato blight, 2280, 2337, 2378, 2380, 3182, 3189, 3190, 3228, 3297, 3303
prenatal diagnosis, 1355
raised α -fetoprotein in maternal serum, 2325
in Scotland, 1297
seasonal variations of incidence, 390
and spina bifida epidemic in the 1930s, 356
spontaneous abortion, 3245, 3252
and water hardness in Lancashire, England, 378

Anesthesia
possible fetal effects, 2945

Aneuploidy
in cultured amniotic cells, 3360
47,xx(21a-)+ in Down's syndrome, 500
47,xxq-y in Klinefelter's syndrome, 499
48,xyy, in Down's syndrome, 498

Aneurysm
of aorta, in Turner's syndrome, 1379

Angiography
cerebral, in MR, 1489, 1490

Angiomatosis
of cortex and meninges, 517
hepatic, and cholestatic neonatal jaundice, 147

Anoxia
behavior evaluated in, 2613
and brain damage at birth, 237
brain glucose decrease with elevated plasma glucose levels, 2861
ischemic, and cerebral serotonin levels, 2390

Antibiotics
in acute bacterial meningitis, 2056
prophylactic, in chronic umbilical artery catheterization, 3236

Antibodies
to anti-neuraminidase, in influenza, 1812, 1815
to Australia antigen, 894
to Australia antigen; detection by counter-immunoelectrophoresis, 1846
Australian; materno-fetal transport, 936
to cytomegalovirus; sex differences, 2029
in *Haemophilus influenzae*, 964
for hepatitis-associated antigen, 149
hepatitis type B; incidence in blood donors, 2036
in human milk, against *E. coli*, 940
IgM-fluorescent responses in congenital toxoplasmosis, 2796
levels in Epstein-Barr virus, 916
locally produced and serum derived in local immunity, 204
measles, in immunized children, 845
measles, in patients with autoimmune diseases, 901
measles titres, in subacute sclerosing panencephalitis, 904
nonacute rubella IgM in chronic hepatitis and rheumatoid arthritis, 2818
response supression in rubella, 962
response to A/England/42/72 influenza vaccine, 2915
responses to influenza vaccine in Down's syndrome, 487
to rubella; Cendehill vaccine in school children, 1791
rubella hemagglutination inhibition, in congenital rubella, 132
rubella; response in serum and nasopharynx, 205
rubella; separation by gel filtration, 125
rubella; serologic tests, 931
to type 1 and type 2 herpes virus infections, 78

Anticonvulsants
and calcium metabolism, 1372, 2454
and congenital malformations, 2418, 2433, 2434, 2457, 3317, 3342
in epilepsy; discontinuing, 2438, 2440
and folate deficiency, 1367, 2417
folic acid, and epilepsy, 2412, 2431
latent osteomalacia in epileptic patients on, 2443
and leukopenia, 2429
and neonatal hemorrhage, 2054
phenytoin intoxication in epilepsy, 2424
plasma levels and 25-hydroxycholecalciferol in epileptic patients on, 2445
precipitating rickets, 2430
during pregnancy in epileptics, 3306
response to in epilepsy, 1375
and vitamin D, 3313
withdrawal in epilepsy, 1357

Antigens (*See also* Australia antigen)
allergic encephalomyelitis reversed by, 2005
avian, in subacute sclerosing panencephalitis, 2911
HBAg, in three selected populations, 875

Antigen-antibody reactions
Wright, in fetal erythroblastosis, 180

Antiglobulins
reaction in ABO fetal erythroblastosis, 2881

Apgar score
prediction and fetal heart rate pattern, 819

Aphasia
electroencephalography, 3008
transient fluent, after meningitis, 2906

Apnea
aminophylline, 3175, 3283
arrestor in respiratory distress syndrome, 2383
artificial ventilation, 211
mattress - alarm system, 223
monitoring, 2286
monitoring; phantom breathing, 2315
periodic breathing in premature infant, 2405
and respiratory distress syndrome, 248, 249

Arachnodactyly, 1241
Marfan's syndrome and homocystinuria, 1269
Marfan syndrome; life expectancy and causes of death, 2356
parental age and new mutations 1419
XYY karyotype, 1386

Arbovirus infections, 1789
in British Columbia, 909
California encephalitis, 858

Architecture
for MR, 3546
for MR day centers, special care units, and residential facilities, 728

Arginine
argininosuccinic aciduria; antenatal diagnosis, 3091
argininosuccinase deficiency; management, 1160

Arnold-Chiari deformity
in hydrocephalus, 402

Arteries
basal stenosis and telangiectasia with progressive alternating hemiplegia, 3164
calcification in fetus, with hydrops, 3194

Arteriography
vascular lesions in *Haemophilus meningitis*, 997

Arteriovenous malformations
cerebral fistula with possible hereditary hemorrhagic telangiectasia, 2319
of vein of Galen in infantile heart failure and hydrocephalus, 401

Arthritis
from *herpes simplex* virus, in rabbits, 2784
juvenile rheumatoid, and rubella, 2783
rheumatoid; nonacute rubella IgM and, 2818
after rubella vaccine, 1927

Arthrogryposis
multiplex congenita, 2366, 2367
multiplex congenita with Turner phenotype, 1307

Aspartylglycosaminuria: *see under* **Metabolism, inborn errors**

Asphyxia
and chronic brain damage, 3007
evoked EEG responses related to, 3216
and foaming syndrome, 2396 heart massage, 1109
in low birthweight infants; fresh frozen plasma, 3210
respiratory and cardiac emergencies, 1331

Asphyxia neonatorum
and cholinergic nerve ending depressants, 3277

Asthma
and hyperparathyroidism, 3105

Ataxia
and bacterial meningitis, 1794

Ataxia telangiectasia, 2409
clonal growth of translocation lymphocytes, 3163
fetoprotein levels, 2232
and growth disorders, 360
reversible neutrophil defect, 2251

Atheromatosis
cerebral, after radiation therapy, 246

Attendant Behavior Checklist: *see under* **Residential facilities**

Attention
digital skin temperature as physiological correlate of, 1546
in hyperkinesis; effect of methylphenidate, 1108

Attitude
-Behavior Scale: Mental Retardation, 1633
of children toward EMR, in Norway, 722
community, toward sex behavior of MR, 1626
of families toward congenital abnormalities, 752
toward negroes and MR, 17
of parents, toward MR, 3588
of psychiatric technician trainees toward MR, 1680
public, toward sex behavior of MR, 2658
social; concept of delivery, 2672
of teachers toward exceptional children; modification program, 641

Audiometry
cortical response of MR for auditory evoked responses, 580

Australia
battered child syndrome report, 2083
chromosome abnormalities in residential facility, 1396
civil and legal rights of MR, 1625
Down's syndrome, 1397
eclampsia and preeclampsia; maternal deaths in New South Wales, 3292
herd immunity and influenza vaccine, 2844
hyperbilirubinemia in infants, 1062
legislation for MR, 1620
measles immunization, 1926
Murray Valley encephalitis in eastern, 2842
neonatal jaundice, 1065
phenylketonuria; screening, 1208
phenylketonuria; sex ratio, 3127
residential facilities in Adelaide, 1646
rubella immunization, 1080
spina bifida in South, 1323
XYY males in, 3425

Australia antigen, 1808, 1857, 2804, 2876, 2913
and α-fetoprotein in neonatal hepatitis, 2950
in Africa, 921
in amniotic fluid and cord sera, 1859
antibody, 149, 894
and antibody; materno-fetal transport, 936
and anti-Gm antibodies in thalassemia, 2004
and autoimmune hepatitis, 2042, 2043
in blood donors, 2773
in blood donors and recipients, 1784
in blood transfusions, 1009, 1971
cellular immune response, 917, 1856
in chronic liver disease, 1818
counterelectrophoresis, 1781, 1846
cross carriage, 934
cytoplasmic localization in liver, 2044
detection techniques, 1967
in Down's syndrome, 164, 1860
extracorporeal circulation, 2968
hepatitis and serum gamma globulin, 166
and hepatitis in mother-infant pairs, 1863
and homologous serum hepatitis, 2967
immunofluorescent identification, 1842
immunoglobulin composition in Down's syndrome, 2504
infectious hepatitis in carriers, 961

latex fixation test, 937
in liver, 902
maternal exposure to, and Down's syndrome, 1385
in mothers and newborn infants, 974
persistence in *viral* hepatitis, 160
with persistent anicteric hepatitis in Down's syndrome, 1448
in polyarteritis, 949
positive infectious hepatitis; antigenemia duration, 1061
in pregnant women and newborn, 2833
with protein-calorie malnutrition, 2144
radioimmunoassay, 2011, 2023
in Rhodesia, 948
safety precautions for performing tests with, 1033
in saliva, 1780
screening, in Scotland, 1004
sex difference in carrier state in inst MR, 181
structure and composition, 1960
thymus-dependent lymphocyte function, 1770
as viroid, 2776
and virus-like liver particles, 943, 1910

Autism, 559, 3500
autistic-savant, 2602
child behavior compared with brain-damaged and schizophrenic, 3496
effects of adult verbal requests on behavior, 663
inducing acceptable behavior in, 1591
and minimum cerebral dysfunction, 556
new syndrome feature, 1263

Autoantibody response: *see under* **Chromosome abnormalities**

Autoimmune diseases
measles antibodies, 901

Autonomic dysfunction--familial and genetic
homovanillic acid and 5-hydroxyindoleacetic acid in cerebrospinal fluid, 3044
intrauterine growth retardation, 3196

Autonomic nervous system
in peroneal muscular atrophy, 1465

Autoradiography
confirming XYY in Down's syndrome, 454
studies of Y chromosomes in 47,XYY female, 1461

Autosome abnormalities
in MR school population, 485

Axons
pathway development after neurosurgical lesions in fetal rat, 3442

B-lymphocytes
in agammaglobulinemia, 154

Bacteremia
in *Haemophilus parainfluenzae*, 2829

Bacteria
in hydrocephalus, 384
interaction with viruses in host-parasite relations, 2782

Bacteriophage
transducing, in enzyme deficiencies, 295

Bacteriuria, 201, 202, 1827
in four-year-old children, 886
gentamicin, 203
in newborn infant, 1919
in Peruvian children with malnutrition, 3032
in pregnancy, 1878
and pyuria in hospital population, 1088
screening test, 1854

Barbiturates
in Gilbert's disease, 183
maternal, and behavior of newborn infant, 1997

Bartter's disease, 264
in blacks, 270, 301
renal salt loss studies, 3066

Batten's disease, 1170, 1172

Battered child syndrome, 214, 232, 2081, 2097, 2099, 2101, 2102, 2103, 2104, 3005, 3009, 3018
Australian report, 2083
congenital syphilis mimicking, 2014
diagnosis, 2089
electroencephalography, 3001
and the law, 1099
medical progress, 2069
parents, 2080, 3006
protective services, 2105
role of the courts, 2100
and severe deprivation, 2580, 2581

Beckwith-Wiedemann syndrome: *see under* **Hypoglycemia**

Behavior
acceptance and rejection in EMR, 2605
adaptive, correlated with intelligence, 3504
aggressive, and territoriality in SMR, 560
attention, in hyperkinesis, 2997
Attitude Scale: Mental Retardation, 1633
in autism; effects of adult verbal requests, 663
in autism; inducing acceptable, 1591
in β thalassemia, 158
curiosity in MR, 2614
disorders and social, psychological, and neurological factors in epilepsy, 434
in Down's syndrome, nonmongoloid, 472
functional, evaluated in phenylketonuric, anoxic, and Down's syndrome patients, 2613
gestural, and intelligence in MR, 599
goal-directed, and behavior therapy, 1618
in hyperkinesis, 2996
of hyperkinetic school children; effect of methylphenidate, 699
incentive affecting, in MR, 553
indices; comparative utility, 585
and intelligence in inst MR in California, 1661
interpersonal, in phenylketonuria, 318
language; syntactic characteristics of MR, 589
modeling of televised aggressive or friendly, 1520
motor, in MR children; chlorpromazine effects, 1474
motor, of newborn infant, in maternal toxemia and fetal malnutrition, 385
in MR; process analysis, 1594
of MR; response of attending adults, 661
of MR; tranquilizing agents, 679

of newborn infant and maternal barbiturates, 1997
of normal, emotionally immature, brain-damaged, schizophrenic, and austistic children, 3496
organization in first three months of life, 3440
parent and teacher ratings of TMR, 555
phenotypes in hereditary diseases, 2358
in phenylketonuric children, after increased phenylalanine intake, 3142
rating scale; effect of ethnocentrism on rating of minority group MR, 1544
in rats with neonatal jaundice, 190
research in MR, 761
self-help skills of inst and noninst EMR, 1658
self-injurious, and behavior therapy, 700
social deprivation and performance of MR, 561
stereotyped acts, 660, 3497
and tapetoretinal degeneration, 1301
territorial, as indicator of clinical condition of SMR, 554
University of Michigan evaluation for childhood MR and, 2612
verbal, in special and standard elementary education, 646

Behavior therapy, 2641
A-B-C paradigm, 3539
in body rocking of MR, 1602
in cerebral palsy, 340
conditional discrimination without direct training, 3543
for enuretics, 2638
experimental modification of vocalization rate in MR, 694
extinction of social competency skills, 590
and generalization of productive plural allomorphs in MR, 685
and goal-directed behavior, 1618
for language acquisition, 695
for mealtime behavior of SMR, 692
by nonprofessionals, 2649
normalization principle, 2633, 2652
positive reinforcement, 1613
pyramid therapy in MR residential facility, 702
reinforcement; long-term retention of MR, 684
reinforcement; in development of generalized imitation operants in SMR and PMR, 2626
reinforcement; in verbal conditioning of MR, 693
reinforcement; response to instructions in SMR children, 686
and school-appropriate behavior, 2629
for self-destructive behavior in MR, 700, 1603, 1611
social behavior induced by imitation in SMR, 662
and social deprivation to enhance activity of MR, 665
for stereotyped behavior, 3489
taught to parents, 1614
techniques for special educators, 2624, 2625
in therapeutic camp setting, 709
token economy program, 1609
token reinforcement in response-chain learning, 645
training program for mothers of SMR, 689
training program for residential facilities employees, 754
verbal, with inst Down's syndrome children, 704
and vocational behavior, 1610

Behr's syndrome: *see under* **Abnormalities, multiple**

Benefit-cost analysis: *see under* **Socioeconomic factors**

Beta-methylcrotonyl-CoA carboxylase deficiency: *see under* **Metabolism, inborn errors**

Bibliography
of Collaborative Perinatal Research Project, 1690
on cerebral palsy, MR, and other neurological and sensory disorders of infancy and childhood, 1701

Bicarbonates
intra-amniotic infusion in fetal acidosis, 1311

Bile
acid excretion in fetal erythroblastosis, 2837

Biliary tract
atresia, and neonatal jaundice, 209
atresia, and serum lipoproteins, 327
atresia, extrahepatic, and intrahepatic cholestasis of infancy; bile acid excretion, 2838
atresia; serum 5′ nucleotidase, 1903
obstruction and neonatal jaundice; diagnostic test, 191

Bilirubin
-absorptive power of plasma albumins in newborn infants; effect of orotic acid, 887
-albumin binding in newborn infant, 1973
American Optical Bilirubinometer, 189
in amniotic fluid, 187, 193, 195, 197, 198, 199
concentration decline in kernicterus, 196
displaced by fatty acids, 995
encephalopathy, 999, 2032
enzymatic conversion of heme to, in fetal and newborn rats, 1975
in erythroblastosis and neonatal hyperbilirubinemia plasma, 885
and immunosuppressive agents in fetal erythroblastosis, 888
influence on human blood platelets, 1974
levels and false prediction of severity in fetal erythroblastosis, 1788
levels and orotic acid in jaundice, 165
levels in newborn infants; influence of orotic acid, 188
methylvinylmaleimide from photooxidation, 876
phenobarbital phototherapy and, 863, 2825
photoderivatives and detoxification during phototherapy, 2798
photooxidation, 891
plasma levels interpreted with radioactive, 161
and toxicity in Gunn rat, 892
transfer across human placenta, 146
unconjugated, and ethanol in jaundice, 950

Biopsy
rectal, in pediatric neurologic disorders, 2729

Birth injuries
anoxia and brain damage, 237
and chronic brain damage, 222
physician liability, 1111

Birthweight
factors influencing, 389
and gestational age; influence on premature infants, 1271
low, and small-for-dates infants; visual evoked response as discriminator between, 1284
low; decreasing incidence of cerebral palsy, 2250
low; etiology and outcome, 1294

low; fresh frozen plasma in asphyxia, 3210
low; intensive care, 410, 3185
low; intravenous tab emulsion injection, 1186
low; in newborns, and early postnatal weight gain, 1336
low; kernicterus, 2827
low; long-term effects of neonatal jaundice on brain, 1778
low; neurologic manifestations, 1299
low; perinatal factors, 352
low; predictive value of maternal visiting patterns, 2354
low; preventing intrascular hemorrhage, 3183
low; prospective studies, 3279
low; risk of handicap to birth defect, 1298
low; serum immunoglobulin patterns, 3301
low; stimulation program, 1282
low; with dwarfism and other anomalies, 359
maternal effects of smoking, 2339
maternal nutrition and weight gain, 3195
in phenylketonuric children and siblings, 1146
and rubella, 945, 946
and sex chromosome abnormalities, 484
sibling, in rubella embryopathy, 138
within-family standards, 1239, 1356

Bladder
neurogenic, in spina bifida, 2298

Blindness, 2578
congenital retinal, in MR, and epilepsy, 1400
in homocystinuria, 3095

Bloch-Sulzberger syndrome: *see under* **Abnormalities, multiple**

Blood
ABO mothers and epilepsy, 2452
aspiration in hyaline membrane disease, 1306
counterelectrophoresis to detect syphilis and Australia antigen, 1781
descending aortic and arterialized capillary in respiratory distress syndrome, 1343
sampling from scalp arteries in infants, 1709

Blood flow velocity
in hydrocephalus, 383

Blood platelets
bilirubin influence on, 1974
serotonin transport, metabolism, and storage in Down's syndrome, 2555

Blood sugar
measured in newborn infant, 870

Blood transfusion
ABO-incompatible maternofetal, 970
Australia antigen, 1971
exchange; acute kidney failure and hyperbilirubinemia in leptospirosis treatment with, 2964
exchange, and hypoglycemia, 184
exchange; computers for blood selection, 1026
exchange; in newborn infants, 1098
exchange in newborn infants; leukocytes in peripheral blood, 1874
exchange; influence of donor blood temperature on hormonal and metabolic changes, 2850
exchange; intestinal perforation, 847
exchange; microinfusion rolling pump, 1077
fetomaternal; decreasing risks, 1040
in hepatic encephalopathy, 959
and hepatitis-associated antigen, 1009
in Hunter's syndrome and Cooley's anemia, 2176
in hyperbilirubinemia, 177
in hypoglycemia, 186
in iatrogenic neonatal anemia, 2400
immunosuppressive therapy for Rh-incompatible, 1084
interfetal; fetoplacental circulation during parturition, 862
in mucopolysaccharidosis, 2159
neonatal umbilical venous exchange; gastrointestinal complications, 1825
placental, 2015
placental, and acidosis in newborn infant, 3264
placental, and hyperbilirubinemia in premature infant, 834
and Rh factors, 878
in tubal pregnancy, 1889

Blood transfusion, intrauterine, 2885
during delivery, and Rh-sensitization of the newborn infant, 2784
fetal, in fetal erythroblastosis, 173
fetomaternal transmission of hepatitis after, 163
live births after, in fetal erythroblastosis, 1943

Blood vessels
supply to developing brain, and MR, 2

Bloom's syndrome: *see under* **Abnormalities, multiple**

Body image
in SMR drawings, 1512

Body temperature
of children in malnutrition, 1015

Bone and bones
responsiveness to parathyroid extract in siblings, 2204
third fontanelle development in Down's syndrome and rubella, 393

Bone marrow
-serum acid phosphatase in lipid histiocytosis resembling Gaucher's disease, 1152

Bornholm disease
and Coxsackie viruses, 208, 993

Botulinum toxin
neurologic manifestations, 112

Brachmann-de Lange syndrome: *see* **Cornelia de Lange syndrome under Abnormalities, multiple**

Brain
abnormalities; possible association with maternal drug use, 1031
aging, in Alzheimer's disease, 1213
and alkylating agents, 121, 122
biochemistry after intrauterine growth retardation, 2150
biology of normal development, 3481
biopsies in infantile psychosis, 28

congenital rubella and maturation, 2930
development and hormones, 261
development and ketone bodies, 262
development and malnutrition, 3025
development and protein-calorie malnutrition, 3112
development and virus diseases, 94
effect of neonatal jaundice on in low birthweight infant, 1778
feline; morphophysiological developmental process, 3438
malformations in thanatophoric nanism, 346
measuring gray and white matter, 331
metabolism during hypoglycemia, 1821
monkey; fetal brain water and electrolyte effects in asphyxia, 2071
rat; cortisol and cell formation, 2209
rat; enzyme effects of malnutrition, 2191
rat; malformations in prenatal zinc deficiency, 3149
rat; myelination and hypothyroidism in neonatal Sprague-Dawley, 2201
rat; vulnerability to electroconvulsive seizures, 3328
response to hypoxia and ischemia, 2292
striated muscle in, in trisomic infant, 466
sudanophilic lipids in cerebral white matter, 3280
supply of blood vessels to, and MR, 2
in unclassified MR, 1
visual evoked response as measure of function, 1552
weight/organ weight ratios as parameter of fetal growth, 793
Wilson's disease and white matter, 2236

Brain damage, chronic, 247, 3015
(*See also* Hyperkinesis; Minimal brain dysfunction)
from ammonia, in primate, 1034
and anoxia at birth, 237
from asphyxia, 3007
and bilirubin, 999
and birth injuries, 222
child behavior compared with normal, autistic, and schizophrenic, 3496
in children, 2998, 2999
in children; abilities compared with normals, 1101
in children with congenital heart disease, 3165
and citrullinemia, 3056
and convulsions, 2428
DeWolfe Wechsler Adult Intelligence Scale, 1536
and drug therapy, 228
eidetic imagery, 245
in epilepsy; animal model, 334
family study of hyperactive child syndrome, 235
glutamate induced, in infant primates, 2086
Halstead Category Test, 574
from hydrolysates, 3019
and hyperkinesis, 220, 227
and hypoglycemia, 1831
language impairment and Gerstmann's syndrome, 234
and laterality, 243, 407
and learning, 218
memory and intelligence in, 229
memory in, 236
methylphenidate, 231, 690
methylphenidate and cognitive style in hyperactivity, 241
minimal, and stress responses, 240
motor skills and laterality, 243
neurologic examination, 226
in newborn infant, 2072
from nitrogen, in rats, 2096
and paired-associate performance, 2995
perinatal; in monkey, 1304
in phenylketonuria, 322
protein and enzyme alterations (in cat), 1104
psychological tests, 1534, 1538
psychoneurological dysfunction, 230
and schizophrenia; differential diagnosis, 36
from shaking infant, 1100
skull x-ray, 2076
and spatial perception, 233
speed of decision-making processes, 2075
and Trail Making Test, 244, 1533
in unclassified MR, 213

Brain diseases
Alper's disease (cerebral poliodystrophy), 2257
cerebral spongy degeneration of infancy, 2253
dementia; nosologic problems, 3159
Kuf's disease (lipofuscinosis, generalized), 2262
mimicking choroid plexus papilloma in childhood, 1217
progressive multifocal leukoencephalopathy; vision identification, 2254
subacute necrotizing encephalomyelopathy, 1230, 1231, 2258, 3154
subacute necrotizing encephalomyelopathy; detecting heterozygous carrier state, 2147
subacute necrotizing encephalomyelopathy; thiamine derivatives, 2146
subacute necrotizing encephalopathy with inborn error of renal tubular transport, 3063
subacute necrotizing encephalomyelopathy; with vacuolated cells in bone marrow, 2238

Brain edema, 1225

Brain injury, acute, 1113, 3016
employment following, 3012
followup of 42 children, 2095
persistent vegetative state, 1103
respiration patterns, 1102, 3000
workshop for survivors, 3004

Brain neoplasms
sterol test, 338

Brain stem
primary focal impact damage in blunt head injuries, 2082

Brain tumor
and *Haemophilus meningitis*, 2912

Branched-chain ketoaciduria: *see under* **Metabolism, inborn errors**

British Columbia
arbovirus infections, 909
phenylketonuria, 1174

Bromides
congenital effects, 874

Bromsulphalein
clearance in hyperbilirubinemia enhanced by phenobarbitone, 192

Buffers
THAM vs. sodium bicarbonate in respiratory distress syndrome, 3191

Burns
encephalopathy, 2106

Cadmium
in lead poisoning, 114

Calcium
impaired hemostasis in infantile hypercalcemia, 1190
low serum levels in 40 MR epileptics, 3318
metabolism and anticonvulsants, 1372, 2454

California
intelligence and behavior in inst MR, 1661

California encephalitis virus: *see under* **Arboviruses**

Canada
Down's syndrome in Quebec, 2535

Capillaries
nailfold, in MR adolescents, 381

Carbamazepine
in epilepsy of childhood, 1360
serum concentration in epilepsy, 3321

Carbohydrates
metabolism in fetal brain during hypoxia, 2310

Carcinoma
of breast, and Klinefelter's syndrome, 494

Cardiac arrest
and hydrocephalus from arteriovenous malformations of vein of Galen, 401

Cardiac diseases
and cat-eye syndrome, 3423
in Cornelia de Lange syndrome, 387

Cardiac massage: *see* **Heart massage**

Cardiovascular diseases
in MR, 1468

Cat-cry syndrome: *see* **Crying cat syndrome**

Catechol
-O-methyltransferase activity in erythrocytes in Down's syndrome, 3382

Cat-eye syndrome:
see under **Chromosome abnormalities**

Cells
C and G banding with trypsins, 2726
metachromasia in mucopolysaccharidosis, 2130
proliferation and constitution in Down's syndrome, 2464

Cellulitis
and *Haemophilus Influenzae*, 856, 860

Central nervous system
abnormalities in trisomy E syndrome, 2503
amniotic fluid composition in malformations, 2349, 3177
carnosinase enzyme deficiency, 2200
cell-mediated immunity, 2778
developmental biochemistry, 3444
in Fabry's disease, 307
in Fabry's disease; ultrastructural study, 2128
fetal and postfetal evolution, 4
and hyperaldosteronism, 289
and hypersensitivity, 516
involvement in leukemia, 1036
liaisons in amino-acid metabolism disorders, 2122
malformation and local water supply, 358
malformation, influenza, and hyperthermia, 947
neuron number and MR, 3
nuclear medicine, 683
and slow virus diseases, 84
tissue culture studies of maturation, 3439
transferrin precipitation arc in cerebrospinal fluid in ischemic disorders, 3166

Cephalexin
and co-trimoxazole in urinary tract infections in spina bifida, 1288

Cephalometry
ultrasonic, in diagnosing small-for-date fetus, 30

Cephaloridine
in staphylococcal infections, 2926

Ceramides
ceramidase activity in Farber's disease, 2188

Cerebellum
diphenylhydantoin-induced degeneration, 1212
neurologic manifestations, 334

Cerebral cortex
micropolygyria, 3262

Cerebral edema: *see* **Brain edema**

Cerebral hemorrhage
neonatal; epinephrine and cortisol dysregulation in, with hypoglycemia, 1929

Cerebral palsy, 1288, 1233
behavior therapy, 340
and Bender-Gestalt test, 1224
communication with mounted symbols, 2248
decreasing incidence in low birthweight infants, 2250
dimethothiazine, 3153
educational and social development, 1222
etiology in developing countries, 1223
etiology in premature infants, 1219
functional assessment, 341
intelligence tests for children, 528
lower limb surgery, 1234
multidisciplinary management program, 2255
nonverbal communication device, 1220
and Piaget's sensorimotor theory, 344
special education, 1581, 3520

surgery, 1235
teaching machine, 1221
therapeutic handling, 681
in twin births, 333
voluntary workers, 330

Cerebral spongy degeneration of infancy: *See under* **Brain diseases**

Cerebrosides
sulfate metabolism in cultured metachromatic leukodystrophy fibroblasts, 420

Cerebrospinal fluid
absorption in communicating hydrocephalus, 3169
acid-base balance in newborn infants, 1354
acid-Schiff-positive cells in dog, in globoid-cell leukodystrophy, 2237
altered by partial treatment of bacterial meningitis, 2793
amino acids and carbohydrates; screening study, 3102
anticonvulsive action of increased calcium concentration in epilepsy, 3333
arrested hydrocephalus evaluated by, 3226
changes as function of time in experimental hydrocephalus, 1309
creatine phosphokinase, 998
in cryptococcal meningitis, 2978
cytomorphology, 782
elevated, and MR in mucopolysaccharidosis, 2127
flow in Alzheimer's disease, 3231
glucose, 1712
homovanillic acid and 5-hydroxyindoleacetic acid in child, 3044
IgG, IgA, and IgM levels in neurologic diseases, 2732
IgM in the absence of serum-IgM in combined immunodeficiency, 2779
immunofluorescence examination for encephalitis viruses, 1728, 1924
immunoglobulins in meningitis, 2959
infusion test for hydrocephalus, 400
lactate/pyruvate ratio in normal and asphyxiated newborn infants, 1110
measles virus antibodies in, in multiple sclerosis, 1020
overproduction in communicating hydrocephalus, 3258
pH and respiratory rate in bacterial meningitis, 1946
plasminogen in normal and abnormal, 1711
pressure measurements and serial cisternograms correlated in experimental communicating hydrocephalus, 3299
spectrophotometry in newborn, 29
transferrin in ischemic disorders, 3166
5-hydroxyindoleacetic acid in Down's syndrome, 2541, 3371

Cerebrovascular disorders
angiography in MR, 1490
and intelligence, 419

Cervix
cytomegaloviruses recovered from, in pregnancy, 831
epithelium; effect of *herpesvirus hominis* Type 2, 1042

Cesarean section
and hyaline membrane disease, 2271, 3232
to prevent *herpes simplex* infection, 2019

Cesium
chloride banding of human chromosomes, 3365

Charcot-Marie disease, 1465

Chediak-Higashi syndrome
and lymphoma, 2364
and phagocytosis in chronic granulomatous disease, 868

Child
accidents and surgical emergencies in MR, 2084
acoustic impedance measurements with hard of hearing MR, 3448
altered peripheral nerve conduction velocity in lead poisoning, 1901
arrested versus normal hydrocephalus, 2344
atypical measles in vaccinated, 2955
bacterial meningitis, 2052
bacteriuria, 886
birth control, sex-ratio, and anencephaly, 2303
cerebral abscess, 328
with chronic brain damage, 2998, 2999
with chronic brain damage; abilities compared with normals, 1101
counting ability of MR, 3480
cytomegaloviruses in inst, 2868
dentistry, 1607
diagnostic-prescriptive perceptual training of MR, 3507
diphenylhydantoin; single daily dose, 3307
disorders of higher cortical function, 2074
Down's syndrome; glycolytic pathway in erythrocytes, 2551
Down's syndrome; skeletal development, 3402
Down's syndrome; temperament profile, 1399
drug therapy, 1604
echovirus infections, 975
EMR cognition training, 3513
epilepsy simulated in, 2455
epileptic, 2444
epileptic; serumtegretol determinations, 1360
Epstein-Barr virus antibodies in lymphoblastic leukemia, 2925
euthanasia; ethical aspects, 2712
exceptional; program to modify teachers' attitudes toward, 641
experiments on, and medical ethics, 1692
family planning; genetic effects, 2739
with galactosemia; intellectual and personality development, 3040
glucose-6-phosphate dehydrogenase activity in infection, 1087
growth acceleration and bone maturation in childhood thyrotoxicosis, 2792
handicapped, and nutrition, 2156
handicapped, and pediatrician, 2696
handicapped; community health services, 2669
handicapped; parental needs, 2692
handicapped; pediatrician as ombudsman, 2698
handicapped; registration center, 724
head injuries, 1106
homologous serum hepatitis, 2914
homovanillic acid and 5-hydroxyindoleacetic acid in cerebrospinal fluid in familial and genetic autonomic dysfunction, 3044
hydrocephalus shunts, 1302
hyperkinetic, 2093

hyperkinetic; family study of syndrome, 235
hyperkinetic, on stimulants; growth depression, 2079
hyperparathyroidism, primary, 3041
hypoglycemia, 1073, 1198
immunized; measles viruses, 1886
influenza-A infection, 920
with inoperative meningomyelocele, 1286
Japanese; head circumference and radiation, 2070
lead levels in deciduous teeth, 1962
lead poisoning, 115, 840, 897, 1053, 1054, 2008, 2828
lead poisoning screening, 1876
learning in MR and average, 534
malnourished, 1168
malnourished; body temperature, 1015
malnourished; reduced sulfation factor, 3037
maternal virus disease and malignant disease, 2890
measles after vaccination, 1773
measles immunity, 852
measles in previously vaccinated, 851
measles vaccine and transplantation, 954
medical characteristics in learning disorder, 530
with meningomyelocele; cell population of dorsal root ganglia, 3225
motor and sensory conduction, 1471
MR; associative learning, recall, and recognition, 3477
MR; cloze responses in reading, 3471
MR; evaluation, 1723, 1735
mucopolysaccharidoses screening, 1183
Nigerian; virus isolates and febrile convulsions, 2018
phenylketonuric; measuring phenylalanine, 3061
phenylketonuric; normal IQ distribution of early-treated, 2189
phenylketonuric; population screenings, 3119
phenylketonuric; radiography, 3117, 3118
plasma cortisol level in malnourished, 3058
pneumocystis carinii pneumonia with hypogammaglobulinemia, 1908
at risk for learning disorders, 2589
skull transillumination, 779
SMR; behavior therapy, 686
Thai, with protein calorie malnutrition; electrolyte status, 3028
Thai, with protein colorie malnutrition; magnesium status, 3029
thyroid hormonal studies in severe malnutrition, 3030
tuberculous meningitis, 98
visual evoked response as measure of brain function, 1552

Child development assessment, 790
biological and environmental determinants, 759
family influences, 2693
in Hawaii, 529
longitudinal and cross-sectional human development studies, 3443
patterns influencing, 2604
postmaturity effects, 3300
research and public policy, 3565
research issues, 3564
symbolic play and language development, 3502

Child psychiatry
in Japan, 1619

Chile
anencephaly, 3188
genetic effects of family planning, 2738

Chloramphenicol
in *Haemophilus influenzae* meningitis, 2823

Chlorpromazine
effects on MR, 682
and haloperidol in MR, 706
motor behavior effects in MR children, 1474

Cholestasis
abnormal lipoprotein of, 144, 269
bile salts and bilirubin effects of phenobarbital, 2642
intrahepatic of infancy, and extrahepatic biliary atresia; bile acid excretion, 2838, 2839

Cholinergic nerve ending depressants
and neonatal asphyxia, 3277

Cholinesterase
brain, and malnutrition, in rats, 313

Chondroitin
sulfate, excessive, in form of mucopolysaccharidosis, 1209

Chondroitin-6-sulphaturia
with defective cellular immunity and nephrotic syndrome, 291

Chromatography
plasma, in screening for inborn errors of metabolism, 2111

Chromosome abnormalities (*see also* **Aneuploidy; Mosaicism; Trisomy; and specific syndrome**), 474, 3369
association with maternal estriol secretion, 2565
in Australian residential facility population, 1396
autoantibody response, 2493
balanced translocation t(5p-; Cp+), 452
cat-eye syndrome, 1438
cat-eye syndrome; cardiac disease, 3423
cat-eye syndrome; chromosomes and dermatoglyphics, 465
cat-eye syndrome; dermatoglyphics, 1458
chemically induced, 436
and congenital adrenal hyperplasia, 1437
and congenital hypertrophy, 3418
in crying cat syndrome, 2499
and delayed puberty, 1447
Edward's syndrome, 2465
effect of gamma rays on human bone-marrow cells, 2524
electrocardiograph screening for XYY males, 2478
and essential tremor, 3435
estrogen; low maternal, 3351
extra small metacentric autosome, 440
extra small metacentric chromosome, 446, 515, 2519
familial insertional translocation, 1391
fluorescence screening, 506
Group-C ring, 456
group-F (19-20); partial deletion, 441
Group-G deletion syndromes, 449
Group-G ring, with MR, atypical facies and pachyonychia congenita, 453
interstitial translocation, 1402, 1427
in Jamaican children, 479
and kidney and urinary tract malformations, 2511, 2513

in malnutrition 1436, 3124
monosomy G, 505
monosomy G, with isochromosome, 2460
in newborn infant population, 1417, 3434
nonmosaic short arm deletion of x chromosome, 486
Noonan syndrome: X-chromosome banding, 3414
nuclear-sexing identification techniques, 462
partial trisomy 4p, 2495
Patau's syndrome; D-group duplication deficiency, 1418
precise identification, 2523
prenatal diagnosis in second and third trimesters, 1452
prune belly syndrome; extracentric fragment, 3357
in psychiatric outpatient clinic, 1445
and psychoinfantilism, 1446
radiation effects in patients with, 2552
radiology, 1442
red cell adenylate kinase activity in three generations, 1420
reduction malformations, 2522
relationship to maternal estriol excretion, 2571
Renpenning's syndrome (x-linked MR), 2459
ring C, with multiple abnormalities, 2466
ring G(46,xx,Gr), 457
ring 1, with microcephalic dwarfism and acute myeloid leukemia, 3415
ring 4, with complex chromosomal rearrangement, 458
ring 13, and haptoglobin heterozygosity, 3373
ring 13, with normal haptoglobin inheritance, 455
ring 18, with congenital hypothyroidism, 2477
ring 20, in a male, 2461
Robertsonian translocations; computer registry, 2530
satellite association; a possible cause, 2500
satellited Y (11-generation), 1409
Smith-Lemli-Opitz syndrome, 3358, 3359
spontaneous instability, 2496
triploidy in spontaneous abortions, 2498
triploidy 69, XXX, 3386
Ullrich-Turner syndrome; cardiopathies, 1455
and ultrasonics, 1457, 2734
virus-induced, in infectious hepatitis, 1429
D/D translocation identification, 2507
F-group 19/20 deletion, 1431
G deletion syndrome antimongolism, 3367
G-deletion syndrome; fluorescent microscopy identification, 3427
G-like additional chromosome, 459
X chromosome long arm in Down's syndrome, 448
X-linked, lymphocytic leukemia, 1377
X-linked, oculocerebro-renal syndrome, 2572
Xg blood group, 492
XXX mother and Down's syndrome child, 2483
XXXX syndrome, 2510
XXY individuals in security hospital population, 2550
XXY son of possibly XX/XXX mother, 1423
XYY, 1390, 1413, 1439, 1459
XYY, in arachnodactyly, 1386
XYY, in monozygotic twins, 1440
XYY individuals in security hospital population, 2550
XYY infants, 467
XYY juvenile delinquents in Hungary, 2514
XYY males; cytogenetic survey, 2471
XYY males in Australia, 3425
XYY, XXYY, and YY, 1380
XYYY, in a male, 2462
Y; screening, 1443
1 constriction, recurrent infections, and low IgM, 3368
1;G translocations, 497
4p syndrome, 507
4/5 translocation and cataracts in crying cat syndrome, 442
13; pericentric inversion causing congenital malformations, 2467
13q- deletion syndrome, 445
15; partial trisomy, 1410
18 deletion (46,XX,18q-) with absence of IgA and hypothyroidism in adult, 2474
18; short-arm deletion, 3378
18 trisomy and deletion, 2521
18p syndrome, 2494
18p syndrome with G18 translocation, 513
18p21q translocation with presumptive monosomy G, 1389
21; elongated short arm, 3356
21-ring, 45,XX,21-/46,XX,21r; banding technique investigation, 2518
45,XX,21 child, 2475
46,t(3 porq-;Cq+) translocation, 502
46,XXq-; somatic stigmata, 444
46, XX, 18q-, 18p-syndrome, 1450
46,XY,t(2q-;13q+) autosomal translocation, 503
47,XX, 21+/45,X), 2484
47,XYY; autoradiographic and fluorescence studies, 1461
48,XXXX female with normal intelligence, 2480
49,XXXXY karyotype, 3410

Chromosomes
actinomycin D banding, 3345
amniotic fluid preparations, 784
analyses in MRs, 3429
banded human metaphase ultrastructure, 2529
banding, 41, 1403, 1404, 1406, 1422, 1425, 1460, 1733, 2486, 2487, 2488, 2525, 2526, 2527, 2528, 2543, 3391, 3412, 3413
breakage and ultrasonics, 464, 1398
breakage as dosimeter, 2489
cesium chloride banding, 3365
constitution in spontaneously aborted fetuses after irradiation, 2516
in Cornelia de Lange syndrome, 3344
and dermatoglyphics in cat-eye syndrome, 465
Giemsa banding of meiotic, 3422
identification of deleted segments, 2490
interchromosomal fibers in human male meiotic, 3346
low x frequency with congenital adrenal hyperplasia, 391
marrow-cell, and ultrasonics, 3354
microanalysis with x-ray energy dispersion, 3352
mutations induced by alkylating agent in Down's syndrome, 2497
new staining techniques, 1705
in newborn after fetal heart monitoring in labor, 2553
preparation after amniocentesis, 25
quinacrine fluorescence, 473, 814, 2568, 2570,
quinacrine fluorescence and Giemsa staining, 3370
ring 18, in hypoparathyroidism, 1163
studies in induced abortions, 3433
in Turner's syndrome, 2492, 2505
and ultrasonics, 1717, 2532 o
C-banding of human, produced by DNase, 3353
G, in Down's syndrome; quinacrine fluorescence microscopy, 473
G-banding, with tetracycline, 3348

X-linked intelligence, in males, 2557, 2558, 2559, 2560
Y, and sex determining genes, 2512
Y identification in human blood smears, 35

Circulation
in hyaline membrane disease, 2284

Cirrhosis
and viral hepatitis, 899

Citizen advocacy: *see under* **Community health services**

Citizenship
and voting behavior of EMR, 723

Citrullinemia: *see under* **Metabolism, inborn errors**

Civil rights
and citizen advocacy, 3562
and human rights of MR, 1630, 2666, 2677
and legal rights of MR in Australia, 1625

Clonazepam
for convulsions, 1365

Clover-leaf cranium: *see under* **Cranium**

Cockayne's syndrome: *see under* **Dwarfism**

Coffin's syndrome: *see under* **Abnormalities, multiple**

Cognition, 3462
concept identification performance and experimenter warmth in EMR, 540
concept-usage performance of MR, 535
conservation ability in MR, 2583
and cultural deprivation, 3493
development and language development, 532, 1502
equivalence formation, 1501, 3474
exceptional development in Down's syndrome with partial translocation, 539
and grammatical complexity, in MR, 1508
information-processing limitations of MR, 581
and intellectual performance of MR, 3467
maturation technique for MR, 3464
methylphenidate effects on in hyperactivity, 241
stimulation in infancy, 2590
training for EMR child, 3513
transactional approach in development, 3466
verbal problem-solving of EMR, 2585

Colloids
osmotic pressure in fetal erythroblastosis, 1001

Communication
deficits and aggression in MR, 1592
disorders in MR, 2607
nonverbal device for cerebral palsy, 1220

Community health services, 711, 2662, 3551, 3579
assessment centers, 1629
citizen advocacy, 2667, 2674, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3563, 3567, 3568, 3569
and Down's syndrome, 463
Eastern Nebraska Community Office of Retardation, 666
eye clinic for MR in Copenhagen, 1628
Federal programs for MR, 2660
for handicapped children, 724, 2659, 2669
Institute of Mental Subnormality (Birmingham, England), 1515
Intellectually Handicapped Children's Society, 725
mental health clinics for MR, 1632
for MR, 3578
national societies for MR; symposium, 2676
in New Zealand, 1636
normalization principle, 3577
Ohio Valley Clinic for Brain Injured Children, 727
and parents of MR, 721
planning for MR, 713
play center for MR infant, 744
protective services, 3561
psychological screening of children in Stockholm, 791
State Crippled Children's Programs, 2668
supporting service for MR, 3570
in USSR, 1663
in West Germany, 1635

Complement fixation tests
for cytomegaloviruses, 85

Computers
in blood selection for exchange transfusion, 1026
for fetal monitoring, 55, 64
and placement of MR in residential facilities, 1655
and recurrence risk calculation in hereditary diseases, 816
system for detecting histidinemia, 798

Congenital adrenal hyperplasia: *see under* **Adrenal gland diseases**

Consanguinity
parental, and MR, 1348

Contraception
for MR, 828, 829
World Health Organization research program in reproductive biology, 67

Contraceptives, oral
and birth defects, 2771
and breast-milk jaundice, 1069, 1072
and respiratory distress syndrome, 3173

Convulsions
ACTH and adrenocorticosteroids, 2218
clonazepam, 1365
drug therapy, 430, 2446
electroencephalographic photosensitivity, 3315
epileptic; cerebral hyperemia, 2423
febrile, and virus isolation in Nigeria, 2018
with MR; new syndrome, 427
neonatal, as an indicator of brain damage, 2428
in newborn infants, 3339
vulnerability of developing rat brain to electro-, 3328

Cooley's anemia: *see* **Thalassemia, beta**

Copper
abnormal metabolism with other, multiple abnormalities, 3078

Cornea
clouding in genetic mucopolysaccharidosis, 3060

Cornelia de Lange syndrome: *see under* **Abnormalities, multiple**

Corpus callosum
agenesis; Aicardi syndrome, 2898

Cortex
angiomatosis, 517
disorders of higher function, in children, 2074

Corticoids
in respiratory distress syndrome, 2382, 2384, 2385, 2407, 3204, 3205, 3242
plasma levels after vaccination, 928

Corticosteroids: *see* **Corticoids**

Cortisol
and cell formation in rat brain, 2209
plasma levels in malnutrition, 3058
in respiratory distress syndrome, 2384

Counseling
for abortion, 822
parents of handicapped child, 1686

Coxsackie viruses
B, type 4, and *Proteus Mirabilis*; meningitis from, 104
B3 and B4, in children's home, 1814
and Bornholm disease, 208, 993
and diabetes mellitus, 2944
hand, foot, and mouth disease, 1777
in shellfish, 2772
in United Kingdom and Ireland, 1083

Craniopharyngioma
and absent α cells in pancreas, with hypoglycemia, 1057

Cranium
base in trisomy 21, 3399
clover-leaf, 1349
failure-to-thrive infant; temporary widening of sutures, 2219
osseous defects in rats from blighted potato, 1966

Creatine phosphokinase
in cerebrospinal fluid, 998

Creativity
in Down's syndrome, 1488

Cretinism
endemic, in Congo Republic, 2206
from familial isolated thyrotropin deficiency, 310
hypothyroidism in endemic, in Brazil, 2179
iodine deficiency, 1145
slow nerve conduction velocity, 304
and thyroid hormones, 1122

Creutzfeldt-Jakob disease, 336, 442, 3161
argentophilic plaques, 1214
electroencephalography, 1215
information center, 207
and slow viruses, 425
subacute spongiform encephalopathy, 2233

Cri-du-chat syndrome: see **Crying cat syndrome**

Crohn's disease
Epstein-Barr virus antibodies, 1897

Crying
in infant; physiological dynamics, 1518

Crying cat syndrome, 476, 1395
with cataracts and 4/5 chromosome translocation, 442
and hypertonia, 482, 1424
with neurological abnormalities, 2563
with partial C-group trisomy, 2458
#5 short-arm deletion, 2499

Cutis verticis gyrata: *see under* **Abnormalities, multiple**

Cystathionine
abnormal excretion in well-infant population, 294
synthesis in homocystinuria, 316

Cystic fibrosis
with jaundice in newborn infant, 148, 1037
and Silver-Russell dwarfism, in twin, 2300

Cysts
of *cavum septi pellucidi*, with other neural tube disorders, 1265
lateral cervical, and respiratory distress syndrome, 1250

Cytarabine
in *herpes simplex* encephalitis, 982
for herpesvirus infections, 1010

Cytogenetics, 3385
chromosome staining techniques, 48
and pediatrics, 2520

Cytomegalic inclusion disease, 1840, 2013
bilateral eventration of diaphragm in newborn infant, 2951
cytosine arabinoside, 967, 968
idoxuridine and novabiocin, 2786
and monoclonal macroglobulinemia, 2145

Cytomegaloviruses, 86, 1853, 1916, 2985
adenine arabinoside, 2956
antibodies to; sex difference, 2029
cellular immunity, 2928
complement fixation test, 85
congenital, and toxoplasmosis in stillborn, 2808
congenital infection in siblings, 1078
cytosine arabinoside, 969
dermatoglyphics, 1979
drug therapy, 1615
encephalitis in adults, 2904
epidemiology and clinical implications, 87
with fetal tachycardia, 1043
fluorescent-antibody detection technique, 924
with granulomatous hepatitis, 2775
in human milk, 2802
IgG antibody, 2918
immunology abnormalities, 2855
inapparent congenital, 1913
in infants, 879
in inst children, 2868
latent congenital, 1058
and leukemia, 73
maternal excretion and perinatal infection, 2777

meningoencephalitic, 1068
and neonatal hepatitis, 2063
in newborn infant, 987, 2939
recovered from cervix in pregnancy, 831
and venereal diseases, 1872

Cytosine arabinoside
in cytomegalovirus infections, 967, 968, 969
for virus diseases, 2952

Dandy-Walker syndrome: *see under* **Hydrocephalus**

Day care
and mental health, 3566

Deafness, 2578
congenital, and hypothyroidism, 2178
congenital perceptive, and intrauterine rubella, 1059
and Klippel-Feil syndrome, 1337, 1338
and other congenital anomalies; detection, 1475

Death
causes among PMR, 764

De Lange syndrome: *see* **Cornelia de lange syndrome** *under* **Abnormalities, multiple**

Delivery of health care, 1627, 2655
advances in care of MR, 2711
agency performance assessment and differential funding, 2673
to handicapped, 1679
to handicapped, in England, 717
ideology, 2671
maternity and infant care project, 815
to mentally ill and MR, 16
MR consultant in England and Wales, 2699
MR consultants, 3597
for MR; social aspects, 762
normalization principle, 2654, 2663, 2664, 2665, 2695
outpatient clinic for early assessment of MR, 788
in rural areas, 1631
safeguards for integrative services, 2675
subsidies for handicapped, 2653

Demography
etiology of MR, 2757

Dentistry
for children, 1607
in Riley-Day syndrome, 311
splinting device for handicapped, 1612
training for care of MR, 642

Depression and hyperkinesis, 3010

Dermatoglyphics, 39, 774, 785, 2730, 2731
in cat-eye syndrome, 465, 1458
in Down's syndrome, 3374, 3428, 3430
in epilepsy, 3322, 3336, 3337
and fetal wastage, 1754
in G deletion syndrome, 3406
heterogeneity in Down's syndrome with congenital heart disease, 3424
minutiae in Down's syndrome patients, 3403
in newborn infants, 2717
in prenatal cytomegalovirus infection, 1979
in trisomy 8, 1407, 2470
in trisomy 18, 2465
in tuberous sclerosis, 2269
in 47,XYY males, 2724

DeSanctis-Cacchione syndrome: *see under* **Hereditary diseases**

DeWolfe Wechsler Adult Intelligence Scale: *see under* **Intelligence tests**

Dexamethasone
amniotic-fluid lecithin/sphingomyelin ratios, 3180
in *herpes-simplex* encephalitis, 918

Dextroamphetamine sulfate
effects on EEG sleep patterns in minimal brain dysfunction, 219
in hyperkinesis, 3002, 3003

Diabetes mellitus
and coxsackie viruses, 2944
and glycogen storage disease type III, 1123
and gonadal dysgenesis, 2539
hyperglycemic nonketotic coma in post-pancreatectomy infant, 2822
hypocalcemia and hyperkalemia in newborn infants of mothers with, 1128
lecithin/sphingomyelin ratio of amniotic fluid, 3207
maternal, gestational age, and route of delivery related to risk of respiratory distress syndrome, 215
and respiratory distress syndrome, 3181

Diagnosis, 18, 2716, 2988
audio and video tape transmitted to parents, 42
comprehensive assessment, 1720

Diagnosis, laboratory, 1718, 1719
α fetoprotein in anencephaly and spina bifida, 2341
antenatal, of mucopolysaccharidosis, 1148
brain biopsies in infantile psychosis, 28
cerebrospinal fluid cytomorphology, 782
vs. clinical, in Down's syndrome, 2562
developmental screening tests, 1722
estriol determinations in high-risk pregnancy, 794
fetal tissue sampling, 1706
fluorescent-antibody detection technique for cytomegaloviruses, 924
of inborn errors of metabolism, 772
of Lesch-Nyhan syndrome, 1121
MR screening program, 1721
nitroblue-tetrazolium test for bacterial meningitis, 914
radioisotopes in neonatal jaundice, 209
serologic tests for rubella antibody, 931
significance of coproantibodies to cow's milk proteins, 38
spinal fluid gel precipitation test for subacute sclerosing panencephalitis, 1771
of Tay-Sachs disease, 1451
of trisomy 18, 1713, 2463
in unclassified MR, 19, 21
of virus diseases, 775, 776, 1021, 1035

Dialysis
in fulminating toxemia of pregnancy, 123

Diaphragm
bilateral congenital eventration in cytomegalic inclusion disease, 2951

Diarrhea
and phototherapy, 1955

Diazepam
in epilepsy, 2436, 3311, 3327
in pre-eclampsia, 2643

Diazoxide
for hypoglycemia from β cell adenoma, 957
therapy in Beckwith-Wiedemann-Coombs syndrome, 2871

Diet therapy
in inborn errors of metabolism, 1175
ketotic, in hypoglycemia, 883
for phenylketonuria, 1180, 2224

Diethylstilbestrol
endometrial adenocarcinoma after, in Turner's syndrome, 3396

Dimethothiazine
in cerebral palsy, 3153

Diphenylhydantoin
and acne, 3304
β cell, 2439
coagulation defects in laboratory animals, 2413
and congenital malformations, 3341
control rate, 3330, 3331
in epilepsy, 2415, 3323
in Fabry's disease, 3147
fetal effects, 3310
-induced cerebellar degeneration, 1212
-induced gingival hyperplasia, 3332
and insulin secretion in man, 2441
intoxication, 1376
metabolism following once-daily administration, 2437
-methylphenidate interactions, 703
motor nerve terminal and muscle membrane stabilization, 2422
neonatal effects, 433
pharmacology and efficacy, 2448
plasma glucose and insulin response, 2456
plasma values after oral and intramuscular administration, 3324
primidone-derived phenobarbital intoxication with, 3312
risks in epilepsy, 1359
serum levels after intramuscular administration, 3325
single daily dose in children, 3307
suspension hazard, 3308, 3309

Disseminated intravascular coagulation
in respiratory distress syndrome, 2302

DNA
for gene therapy, 2651

Doctor-patient relations
in birth of abnormal infant, 8

DOPA
formation inhibition in phenylketonuria patients with high plasma, 3054

Dopamine-beta-hydroxylase
in familial dysautonomia, 315

Down's syndrome, 510, 3366
accelerated maternal aging, 1421, 1428
and acute leukemia, 3349, 3350
altered cerebral serotonin metabolism, 3371
Australia antigen, 181, 1860
Australia antigen and immunoglobulin composition, 2504
Australian survey, 1397
and Alzheimer's disease, 329, 470
antibody responses to influenza vaccine, 487
babbling patterns in normal infants and those with, 3401
banding of metaphase chromosome, 1460
behavior evaluated in, 2613
behavioral differences from nonmongoloid, 472
catechol-o-methyltransferase activity in erythrocytes, 3382
child of XXX mother, 2483
children in play; differences from normal, 447
chromosome mutations induced by alkylating agent, 2497
clinical vs. laboratory diagnosis, 2562
clustering in miscarriages preceding births, 3376
and community health services, 463
with congenital heart disease; dermatoglyphic heterogeneity, 3424
and congenital leukemia, 1456
congenitally absent permanent teeth, 475
and creativity, 1488
C6/G21 translocation, 3393
dentobacterial plaque infection in children, 511
dermatoglyphics, 3374, 3403, 3428, 3430
effect of cell proliferation and constitution, 2464
effect on sibling behavior, 2609
electron microscopy, 1382
enzyme abnormalities, 439
estriol secretion in late pregnancy, 2534
exceptional cognitive development in partial translocation S, 539
features associated with, with G-normal trisomy mosaicism, 1453
and fetal hydrops, 2546
fetoplacental function, 493
free recall; effect of subjective organization and clustering, 2561
G/G translocation, 2485
glycolytic pathway in erythrocytes of children, 2551
hearing disorders, 3400
hepatitis and hepatitis associated antigen, 164
high hematocrits, 2567
immunoelectrophoretic serum patterns in mothers of children with, 468
and immunoglobulins, 477
incidence in Europe, 2564
incomplete, with apparent G-monosomy and G-deletion, 2481
institutionalization, 3363, 3364
language teaching program, 1560
and leukemia, 1381, 1383, 2538, 2545, 2548
leukemia and twinning concordance, 1412
leukocyte function and acute leukemia, 2566
leukocytes, 1426
maternal estriol levels, 2573
and maternal exposure to Australia antigen, 1385
and maternal health, 1405

and measles; cytogenetic observations in cultured lymphocytes, 3375
monoamine turnover in patients with diminished platelet serotonin, 2491
mortality rate and cause of death in Texas, 3405
motor skills; effect of feedback, 509
and myeloproliferative disorder, 1384
and other MR children and free recall, 594
parental age and birthweight in translocation, 2517
and parental exposure to radiation, 2515
and paternal trisomy 21 mosaicism, 488, 2509
persistent anicteric hepatitis with Australia antigen, 1448
plasma 5-hydroxytryptamine, urinary 5-hydroxyindoleacetic acid, and tryptophan ingestion, 478
polydactyly, 3431
in Quebec, Canada, 2535
quinacrine fluorescence microscopy, 473
reproduction risks, 2501
in residential facilities, 3409
screening program, 2537
sentence comprehension and imitation by children with, 469
serotonin transport, metabolism, and storage in blood platelets, 2555
serum alkaline phosphatase isoenzymes, 471
sex behavior in postpubertal, 2554
skeletal development in children, 3402
temperament profile of children, 1399
and third fontanelle, 393
thyroid disease and other maternal factors in etiology, 1416
tongue size, 3380
and trisomy 17-18 in siblings, 483
trisomy 21; pyridoxal-5-phosphate blood levels, 3347
trisomy 21 chromosome; origin, 2544
21/21 trisomy translocation with missing G_{21} chromosome, 3388
in twins, 1394
verbal behavior therapy with inst, 704
X chromosome long arm deletion, 448
XYY, confirmed by autoradiography, 454
5-hydroxyindoleacetic acid and 5 hydroxy levels, 1173
5-hydroxyindoleacetic acid in cerebrospinal fluid, 2541
46,xy D-, t(DqGq)+/92,XYXY,2D-,2tDqGq)+ mosaicism, 2502
47xx(21q-)+aneuploidy, 500
48,xyy,21+aneuploidy, 498

Drug addiction
Turner's syndrome, 1387

Drug synergism
methylphenidate and diphenylhydantoin, 703

Drug therapy (*see also* specific drug)
in children, 1604
chlorpromazine and haloperidol in MR, 706
for convulsions, 430, 2446
cyclooctylamine in influenza, 873
for cytomegalovirus infection, 1615
diazoxide in familial endocrine adenomatosis, 2203
diphenylhydantoin; neonatal effects, 433
diphenylhydantoin-diazepam similarity, 708
gentamicin in infant, 1601
in *Haemophilus influenzae meningitis*, 1894, 2017
for histiocytosis X, 1187
in hyperkinesis, 228, 2098, 2992, 2993, 2994
in hyperkinesis and minimal brain dysfunction, 3017
in hypoxia; effect on fetus, 1330
in minimal brain dysfunction, 1112
in minimal brain dysfunction; psychological effects, 2073
in pregnancy; fetal effects, 2931
for viruses, 90, 2899
25-hydroxycholecalciferol in epileptics on anticonvulsants, 2445

Drugs
and congenital abnormalities, 108, 1031
test factor analysis in MR population, 705

Dwarfism
camptomelic, 2392
Cockayne's syndrome, 3392
deprivation, and *pseudotumor cerebri*, 1287
diastrophic; abnormal glucose metabolism, 2210
familial recurring thanatophoric, 3197
hyposomatotrophic; growth hormone, 2148
microcephalia, with ring 1 chromosome and acute myeloid leukemia, 3415
thanatophoric; genetics, 2387

Dyke-Davidoff-Masson syndrome: *see under* **Hemiplegia**

Dysautonomia, familial
dopamine-β-hydroxylase activity, 315
unmyelinated nerves, 3257

Dysgammaglobulinemia
with measles, 155

Dyslexia, 396, 397, 398
legasthenia, 395
with MR, 550
tactile/kinesthetic teaching techniques, 691

Dystrophia myotonica, 3254

Echo viruses, 1071
in children, 975
in England and Ireland, 210
epidemiology, 105
in handicapped and premature infants, 1875
with meningoencephalitis, California encephalitis, and mumps, 1880
3, with viral meningitis, 2034
12, and erythema infectiosum, 1884
14, with fatal hepatic necrosis in newborn infant, 992

Eclampsia
and preeclampsia; maternal deaths in New South Wales, 3292
pre-; diazepam and hydrallazine, 2643
pre-; twin pregnancy, 898

Edema
degeneration of white matter, 3209

Education
British Education Act of 1970, 1567
EMR and educationally handicapped in regular classrooms, 2623
intelligence and race, 1479
for MR; Federal court orders, 1621
public school placement of EMR, 1583
social desirability of MR in open vs. traditional school, 3512

Education, special, 638, 650, 3517
for adult MR, 3525
alternatives in, 610
attention theory, 3518
audiovisual aids, 1565
behavior therapy techniques for special educators, 2624, 2625
career opportunities in North Carolina, 2618
in cerebral palsy, 3520
class action for MR children (Pennsylvania court order), 1557
compensatory, for the disadvantaged child, 640
criteria for placement, 710
in dental care of MR, 642
developing language capabilities of MR, 657
effect of training program on verbal abstraction performance of MR, 2617
for emotionally disturbed EMR, 623
EMR, and SMR, 1578
evaluative-prescriptive approach, 630
future developments, 1588
guidance and curriculum, 649
guide for teachers of TMR, 612
of handicapped, in Ohio, 2622
for handicapped; worldwide crisis, 1563
and human rights of MR, 1571
language, 3514
language-based curriculum, 1572
language developments, 1564
the learning development teacher, 606
the learning disorders, 620
litigation, 611
media program for training MR children, 631
milieu therapy program for SMR, 3519
mind training in cerebral palsy, 1581
moral and religious, for MR, 1554
of mothers of MR, 2620
motor skills development program for MR, 634
for MR, in England, 1589
for multiply handicapped visually impaired children, 613
nature study for SMR, 1559
negative reinforcement in remedial speech training of MR, 1568
and occupational therapy, 639, 688
performance prediction of MR children, 1574
Piagetian theory, 3521
prescriptive teaching in residential facility, 1561
program for training secondary school teacher of MR, 637
programmed instruction for MR, 626
programmed instruction for physically handicapped, 3522
psychiatric consultation to special school, 614
public school education for SMR, 607
in regular classrooms, 604
report card for EMR, 608
research priorities, 3516
resource centers for teachers of handicapped, 619
resource room services for EMR, 609
responsive teaching, 659
role in MR work, 1590
in Scandinavia, 625
scientific pedagogy, 616, 618, 621, 622
for secondary school teachers of MR, 1586
sequential task programming for TMR, 636
sex, 1566, 1569, 1576, 1577
sex chromatin deviations in special education class, 3379
for SMR; media innovations, 1584
sociolinguistic approach, 658
summer institute for TMR teachers, 635
summer program for adolescents, 628
systematic planning, 629
teacher supervisory functions in TMR program, 1579
teacher training programs, 656
for teachers of exceptional children, 1587
for teachers of MR, 3515
teaching counting to MR, 627
teaching quantitative concepts to TMR, 624
Touch-Tutor teaching machine, 1582
training programs for special education teachers, 605, 643
verbal behavior in elementary standard and special, 646
and vocational rehabilitation for MR, 1637
work-study programs for EMR, 2621

Edward's syndrome: *see under* **Chromosome abnormalities**

Eidetic imagery
in chronic brain damage, 245

Electrocardiography
fetal, during labor, 62
screening for XYY males, 2478

Electrochemistry
in hypoglycemia, 2988

Electroencephalography
activation with sleep and methohexital in epilepsy, 1362
in aphasia, 3008
in battered child syndrome, 3001
in Creutzfeldt-Jakob disease, 1215
evoked responses related to asphyxia in newborn infant, 3216
in *herpes-simplex* encephalitis, 915
in low birthweight infant, 1289
in normal pressure hydrocephalus, 3293
power spectra, phenylalanine, and thyroid hormones, 3047
in Reye's syndrome, 3158
in unclassified MR, 20

Electrolytes
balance in 11-β-hydroxylase deficiency, 1137
status of Thai children with protein-calorie malnutrition, 3028

Electrophoresis
antibody detection, 1846
to detect syphilis and Australia antigen in blood, 1781

Emotion
and abortion, 803

Emphysema
pulmonary interstitial with gas embolism in hyaline membrane disease, 3287

Encephalitis viruses, 1937, 2774
California; intelligence and coordination, 1905
California; with meningoencephalitis and mumps, 1880
equine; identification, 75
and Guillain-Barre syndrome after measles, 1005
herpes simplex 980, 981, 982, 1728, 1807, 1828, 1834, 1958, 1988, 2038
herpes simplex; dexamethasone, 918
herpes simplex; electroencephalography, 915
herpes simplex; tubular structures in endoplasmic reticulum, 74
herpesvirus hominis, 2027,2037, 2053, 2905, 2941
immunofluorescence technic and cerebrospinal fluid cells, 1924
Japanese; vaccine, 81
measles; measles virus isolation, 2846, 2852
murine, 2835
Murray Valley, in eastern Australia, 2842
subacute, and hypogammaglobulinemia, 1032
total viral, with x-linked hypogammaglobulinemia, 2940
Venezuelan equine, 2774

Encephalocele
occipital, 2285
occipital, laryngeal paralysis, and hydrocephalus, 1285

Encephalomalacia
multicystic, 1264
multicystic, abnormal gestation, and hydranencephaly, 2288

Encephalomyelitis
allergic, in animal; heparin, 978
allergic, reversed by antigen, 2005
after influenza vaccine, 979
murine influenzal; electron microscope observations, 2836
in nonhuman primates; immunologic mechanisms, 2948

Encopresis, 557

Endocrine glands
disorders in thalassemia, 1931
function in rhesus isoimmunization, 1945
hypothalamus and neuroendocrine pathology, 278
interactions and the placenta, 373
in tuberous sclerosis, 1370
ultrastructural alterations in Tay-Sachs disease, 1464

Endoplasmic reticulum
tubular structures in *herpes simplex* encephalitis, 74

England (*see also* Great Britain)
abortion, 1755
aging population in residential facilities, 2656
anencephalus and water hardness in Lancashire, 378
delivery of health care to handicapped, 717
echovirus infection, 210
Institute of Mental Subnormality, Birmingham, 1515
lead poisoning, 2892
meningococcal meningitis, 2927
Mental Health Act of 1959, 1623
MR consultants, 2699
MR prevalence in Bristol, 2707
population surveillance of MR, 2657
residential facilities, 1641, 1649, 2685, 2686, 2687, 2688, 2689
special education for MR, 1589
therapeutic abortion, 51

Embolism
gas, with pulmonary interstitial emphysema in hyaline membrance disease, 3287

Embryo
and teratogenesis, 1743, 1744, 1745

Enterovirus infections, 83, 1022, 2888

Enuresis
behavior therapy, 2638

Environment
effect on human birth defects and mutations, 15
hazards to fetus from pollution, 2039
heredity, and MR, 2737

Enzymes (*see also Isoenzymes* and specific enzyme)
abnormalities in Down's syndrome, 439
activity in trisomy D, 489
alterations in chronic brain damage (in cat), 1104
adenylate kinase; red cell activity in three generations, 1420
argininosuccinate synthetase in cirtrullinemia, 305
arylsulfatase A deficiency in metachromatic leukodystrophy, 3152
blood, in Cornelia de Lange syndrome, 2482
carnosinase deficiency, 2200
deficiencies, and transducing bacteriophage, 295
erythrocytic; activities in hypothyroid children, 1135
gamma-glutamyl transpeptidase in epilepsy, 2525
galactosemia; spot test, 3050
galactosyl hydrolase deficiency in lactosylceramidosis, 3148
glucose-6-phosphate dehydrogenase activity in childhood infection, 1087
heme to bilirubin conversion in fetal and newborn rats, 1975
hypoxia effects on hydroxysteroid dehydrogenase activity in placental villi, 2351
intracellular, in aminiotic fluid, 31
leukocyte β-galactosidase in generalized GM1 gangliosidosis, 1118
mutant ornithine transcarbamylase in hyperammonemia, 286
neuroblastoma; activity and diagnosis, 2239

phosphoribosyl transferase in Lesch-Nyhan syndrome, 1182
replacement therapy in metachromatic leukodystrophy, 693, 1227
serum 5'-nucleotidase in neonatal hepatitis and biliary atresia, 1903
and sphingolipidoses, 251
as therapy in Fabry's disease, 3075, 3136
transplants in inborn metabolic errors, 1141
x-linked, and sex chromatin bodies, 1401
3β-hydroxysteroid dehydrogenase deficiency in congenital adrenal hyperplasia, 319, 1139

Epidemiology
anencephalus and spina bifida in the 1930's, 356
of bacterial meningitis, 1067
congenital malformations in Israel, 13
congenital malformations in South Wales, 14
of cytomegalovirus infections, 87
of echo viruses, 105
of human birth defects and mutations; environmental effects, 15
microbiology for communicable disease, 783
of MR, 2710
of rubella, 137
subacute sclerosing panencephalitis in U.S., 1866
of trisomy, 460

Epiglottis
and *haemophilus influenzae*, 107

Epilepsy, 2431
abdominal, 435
and ABO mothers, 2452
anticonvulsant withdrawal, 1357, 2438, 2440
anticonvulsants and congenital anomalies, 2457
anticonvulsants and folic acid concentrations, 2412
anticonvulsants during pregnancy, 3306
anticonvulsive action of increased calcium concentration in cerebrospinal fluid, 3333
behavior disorders and social, psychological, and neurological factors, 434
in child, 2444
in childhood; serumtegretol determinations, 1360
and chronic brain damage; animal model, 3334
clinics, 2427, 2442
conditions simulating, in children, 2455
congenital malformation in offspring, 3305
congenital retinal blindness, 1400
convulsion induced by cerebral hyperemia, 2423
convulsive disorders and, 1358
cursive and gelastic, 3316
diazepam, 2436, 3311, 3327
diphenylhydantoin, 1359, 2415, 3323
drug therapy, 3322, 3336, 3337
electroencephalographic activation with sleep and methohexital, 1362
folate metabolism, 428
folate therapy, 3329
folic acid and anticonvulsants, 2431
γ-glutamyl transpeptidase, 2452
Halstead-Reitan Test Battery, 1535
imipramine, 1363
intellectual and adaptive functioning, 2435
intractable childhood and medium-chain triglycerides, 431
ketamine anesthesia in brain-damaged, 3320
latent osteomalacia in patients on anticonvulsants, 2443
low serum calcium levels in 40 MR, 3318
maternal; abnormalities of offspring, 2411, 2450, 2451, 3310
metabolic disposition of primdone and metabolites, 2414
monitoring plasma ethosuximide, 2420
natural yeast and folic acid deficiency, 1368
pain, 3326
parietal lobe functions in MR with, 429
petit mal, 432, 1366
petit mal; inhibitory pathways, 2416
phenytoin intoxication, 2424
plasma levels and 25-hydroxycholecaciferol in patients on anticonvulsants, 2445
positive brain scans, 3343
and pregnancy, 3314
response to anticonvulsants, 1375
sensory precipitation by undressing, 3335
serum carbamazepine concentration, 3321
status epilepticus, 1374, 2453
surgery, 1371
temporal lobe, 1364, 1369
temporal lobe, and *herpes simplex*, 2820
temporal lobe resection, 3340
46,XY,20r/46,XY ring F mosaicism in child, 2468

Epinephrine
insufficiency and decreased alanine availability in ketotic hypoglycemia, 2848
test for insufficiency in hypoglycemia of childhood, 1928

Epstein-Barr virus, 963
antibodies in Crohn's disease, 1897
antibodies in leukemic children, 2925
in acute lymphoblastic leukemia of childhood, 976
antibody levels, 916
fibroblast morphological transformation, 872
and Guillain-Barre syndrome, 1787

Ergonovine
as teratogen, 1891

Erythema Infectiosum
rubella and echovirus 12, 1884

Erythema multiforme
and idoxuridine after herpes simplex, 1993

Erythroblastosis, fetal (*see also* Joundice, neonatal), 954, 1975, 803
ABO factors, 169
anemia after phototherapy, 162
antiglobulin reaction in ABO, 2881
bile acid excretion, 2837
bilirubin and immunosuppressive agents, 888
bilirubin in plasma, 885
colloid osmotic pressure, 1001
computer-assisted spectrophotometric analysis of amniotic fluid, 1029
fatty acid composition of phospholipids in erythrocytes, 1977
fetal-maternal blood incompatibility, 1008
and γ-β thalassemia, 869

glucose metabolism, plasma insulin, and growth hormone-secretion in newborn infants, 1804
intrauterine fetal transfusion, 173
liquor bilirubin levels and false prediction of severity, 1788
live births after intrauterine transfusions, 1943
Liverpool low-risk clinical trial, 174
oxytocin infusions, 2916
phototherapy, 175, 866
plasma insulin and K values during intravenous glucose tolerance in newborn infants, 1923
prevention of Rh immunization, 179
quantitative determination of Rh antibody (anti-D), 178
and respiratory distress syndrome, 861
role of complement, 171
sex differences, 971
and small c incompatibility, 1096
spleen rupture, 2934
from Wright antigen, 180

Erythrocytes
catechol-o-methyltransferase activity in Down's syndrome, 3382
of children with Down's syndrome; glycolytic pathway, 2551
phospholipid determination in diagnosis, 2727
sialic acid in, in familial amaurotic idiocy, 2245

Erythropoietin
pH effects on response to hypoxia, 2391

Escherichia coli
antibodies against, in human milk, 940
infections and iron-binding proteins in milk, 906

Estriols
assays in Rh pregnancies, 200
determinations in high-risk pregnancy, 794
excretion in pregnancy and fetal adrenal cortex morphology, 58
maternal levels in Down's syndrome, 2573
secretion in late pregnancy in Down's syndrome, 2534

Estrogen
low maternal levels and chromosome abnormalities, 3351
maternal urinary patterns in intrauterine growth disorders, 3099
plasma, and fetal outcome, 59
urinary assay and serial cephalometry in fetal growth retardation, 1710

Ethanol
and unconjugated bilirubin in jaundice, 950

Ethics
and sexuality of MR, 1639

Ethics, medical
and abortion, 1750
and amniocentesis, 1746, 1748
euthanasia and the extreme case, 5
euthanasia for children, 2712
euthanasia in meningomyelocele, 1277, 1288
fetal research, 1756
and genetic counseling, 3139
and genetic screening, 1737, 1738, 2704, 2740
and genetic technics, 826, 1688
human experimentation, 1692, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1702, 2702, 2703, 2715
informed consent in minors, 2709
in meningomyelocele, 1689
National Advisory Commission on Health, Science, and Society, 771
negative euthanasia in special-case nursery, 2708
research on minors, prisoners, and the mentally ill, 1691
severely malformed children, 2706
Willowbrook experiments, 6, 7, 1052
world body proposal, 1703

Ethiopia
Mehlnahrschaden and protein-calorie malnutrition, 2107

Euthanasia
for children; ethical aspects, 5, 2712
in meningocele, 1277, 1288
negative, in special-case nursery, 2708

Exanthema subitum
mode of CNS involvement, 2033

Exomphalos-macroglossia-gigantism syndrome: *see under* **Abnormalities, multiple**

Expectancy theory
and reward value in MR, 592

Eye
abnormalities; possible association with maternal drug use, 1031
cyclopia with D trisomy, 1462

Face
in genetic disorders, 32

Familial dysautonomia: *see* **Dysautonomia, familial** (*see also* **Mother-child relations**)

Family, 751, 1674
attitudes toward congenital abnormalities, 752
audio and video tape transmittal of diagnosis to parents, 42
and child, 2693
with neurofibromatosis, 1229
reactions to handicapped, 1676

Family planning
in Chile; genetic effects, 2738, 2739
among parents of chronically ill child, 804

Fanconi's anemia: *see under* **Anemia, Fanconi's**

Farber's disease: *see under* **Lipid metabolism, inborn errors**

Fatty acids
bilirubin displaced by, 995

Fertility
and intelligence, 1742
of MR, 770, 1478
and nutrition, 3024

Fetal heart
activity detected in first trimester, 2763
rate; and morphine, 1332
rate patterns and fetal distress, 2394
rate patterns; Apgar score prediction, 819
ultransonic monitoring, 63, 71, 830, 1708, 1730, 1734, 2733, 2744, 3251, 3268

Fetus
abnormalities and maternal epilepsy, 2411, 2450, 2451
acidosis; intraaminiotic bicarbonate infusion, 1311
brain weight/organ weight ratios as parameter of fetal growth, 793
daily movement recording and prognosis, 2308
deprivation and placental insufficiency, 367
and drug therapy in pregnancy, 2931
drugs and congenital abnormalities, 108
drug therapy effect on hypoxia, 1330
effects of labor, 3213
effects of maternal smoking, 2897, 3270, 3272
hydrops with idiopathic arterial calcification, 3194
hyperglycemia in normal and diabetic pregnancies, 1019
energy metabolism, 2228
environmental pollution hazard, 2039
estimating maturity in high-risk pregnancy, 2309
GM1 and GM2 gangliosidoses, 2126
growth disorders, 2151, 2152, 2153
head compression effects, 2091
heart monitoring in labor; chromosome study after, 2553
hemoglobin A synthesis, 2977
hemostasis, 170
immune response mechanism, 1809, 1952, 1953
immunity to mumps virus, 1887
lecithin/sphingomyelin ratio in determing maturity, 1763
low birthweight and respiratory distress syndrome, 2372
malnutrition and leukocytes, 2229
maternal blood transfusion; decreasing risks, 1040
and maternal phenylketonuria, 3120, 3121
maturity; amniotic fluid analysis, 33, 796, 1317
monitoring, 55, 57, 60, 64
monitoring; morbidity and mortality, 1749
monkey; brain water and electrolyte effects of asphyxia, 2071
pathology, 522
research investigation, 1756
rubella immunization risk, 128
and rubella reinfection, 2865
scalp hair patterning and early brain development, 2718
scalp monitoring, 2719
sheep; effect of lidocaine on heart rate and brain metabolism, 1039
small-for-date; ultrasonic cephalometry in diagnosing, 30
sphingomyelin ratio and amniotic fluid, 818
Tay-Sachs disease, 1378
ultrasonic cephalometry, 1731, 1732

Fibrin
degradation in hypoxic full-term neonates, 2320

Fibrinogen
and infectious hepatitis, 1063

Fibrinolysis
in preterm and small for gestational age infants, 1293

Fibroblasts
glycogen metabolism of human diploid cells in culture, 3069, 3070
lysosomes of human; structure and function in culture, 3065
metachromatic leukodystrophy cerebroside sulfate metabolism, 420
morphological transformation by Epstein-Barr virus, 872
mucopolysaccharide metabolism in Hunter's syndrome, 3113
normal and Hurler's disease dermal, 2194

Finland
measles vaccination, 881
phenylketonuria, 276

Florida
maternity and infant care project, 815

Fluorescence
in detecting sex chromosome anomalies, 2540
Giemsa banding, 2542
identification of g chromosome in Turner's syndrome, 451
in lead poisoning, 850
quinacrine; Giemsa staining of chromosomes, 3370
quinacrine, of sex chromatin human amniotic fluid, 1768
quinacrine; translocation chromosome identification, 2568, 2570
screening for chromosomes in 47,XYY female, 1461

Focal dermal hypoplasia: *see under* **Skin manifestations**

Folate
in epilepsy, 3329
levels in homocystinuria during pyridoxine treatment, 3026
metabolism and phenobarbital, 2419
metabolism in epilepsy and psychiatric patients, 428
Na; epileptogenic action in rat, 2426
serum and red cell, in protein-calorie malnutrition, 3062

Folic acids
and anticonvulsant concentrations in epilepsy, 2412, 2417, 2431
and cerebral metabolism, 426
congenital absorption defect, 3122
deficiency and congenital malformation, 2348
deficiency in epilepsy; natural yeast treatment, 1368
in Lesch-Nyhan syndrome, 3071
and neurological manifestations, 2171

Fructose
familial intolerance, 2108
hereditary intolerance and hypoglycemia, 2847
intolerance; hypertyrosinemia and hyperemethioninemia, 1203

Fructosephosphates
fructose 1,6-diphosphatase deficiency and lactic acidosis, 258

Frusemide
in pregnancy toxemias, 1000

Fucosidosis: *see under* **Metabolism, inborn errors**

Galactokinase deficiency: *see under* **Metabolism, inborn errors**

Galactose
familial intolerance, 2108

Galactosemia
classical and Duarte, in same family, 255
enzyme spot test, 3050
intellectual and personality development in children, 3040
psychological aspects, 3086

Galactosidase
α A and B; variability in human tissue, 3132
β-, and lactose intolerance, 253
X, in Fabry's disease, 2227
X-linkage, 2225

Galvanic skin response
habituation patterns to auditory stimuli, 579

Gamma globulin
anti-D, for prevention of Rh isoimmunization, 1944
anti-D, in fetal erythroblastosis, 174, 179
and Australia antigen hepatitis, 166
effect on antibody to rubella virus, 129
in homologous serum hepatitis virus, 2012
and rubella-induced congenital anomalies, 2028

Ganglia
cell population of dorsal root, in children with meningomyelocele, 3225
herpes simplex virus recovered from human trigeminal, 1845

Gangliosides
G(M1) gangliosidosis, 265
GM1 gangliosidosis in cat, compared with human disease, 3110
leukocyte β-galactosidase in generalized GM1 gangliosidosis, 1118
leukocyte β-galactosidase activity in gangliosidosis GM1, 2160
gangliosidosis GM1, 2134
gangliosidosis GM1 and GM2 in fetal tissues, 2126
gangliosidosis GM2, 2216, 3084
GM2 gangliosidosis and hexosaminidase A in Tay-Sachs disease, 285
gangliosidosis GM2 Type 2; Sandhoff's disease, 2195

Gangliosidosis: *see under* **Gangliosides**

Gastroenteritis
in vitro amino acid uptake, 1184

Gaucher's disease: *see under* **Metabolism, inborn errors**

Genes
sex-determining and Y-chromosome, 2512

Genetic counseling, 45, 72, 806, 807, 817, 1736, 1739, 1741, 1752, 1762, 1766, 2745
computer calculation of recurrence risks, 816
and family planning, 804
and medical ethics, 3139
RAPID register system, 69
screening and disease frequency, 2766, 2767
social effects, 2751

Genetic intervention, 46, 1600
and medical ethics, 826
and MR, 827
somatic cell hybrids, 66
transducing bacteriophage in enzyme deficiencies, 295

Genetic technics, 2722
amniocentesis, genetic screening, and selective abortion, 2720
in hereditary diseases, 1758, 2644, 2645, 2646
and medical ethics, 1688

Genetics, 61
face in genetic disorders, 32
propagation of defective genes, 770, 805
recurrence risks for multifactorial inheritance, 65
risk prediction tables for genetic disorders, 68
screening programs, 1760

Genitalia
herpes virus hominis, 1918

Gentamicin
assay in jaundice, 2866
in bacteriuria, 203
for neonatal infections, 843
pharmacology in newborn infants, 843, 1055, 1601
in purulent meningitis, 1933

Geography
of neurology, 1469

Germ cells
loss variation in Turner's syndrome, 496

German Democratic Republic
sex ratio in phenylketonuria, 266

Gerstmann's syndrome
and language impairment in chronic brain damage, 234

Gigantism, 350
cerebral; plasma growth hormone, 2175

Gilbert's disease
barbiturates, 183

Gilles de la Tourette's disease
in brain-damaged child, 2991
and chronic brain damage, 2990
psychological tests, 1539

Gingival hyperplasia
diphenylhydantoin-induced, 3332

Globulins
immune serum mass prophylaxis in virus A hepatitis, 1786
thyroxine-binding deficiency and MR, 1885

Glomerulonephritis
hematuric, with autoimmune hemolytic anemia, 153

Glucagon
plasma levels in newborn infant; effects of hypoxia, 3218

Gluconeogenesis
defective, from amino acids, in small for date newborn infant, 3053

Glucose
abnormal metabolism in diastrophic dwarfism, 2210
in cerebrospinal fluid, 1712
decrease in brain in anoxia with elevated plasma glucose levels, 2861
intravenous tolerance tests in kwashiorkor and pellagra, 306
metabolism in fetal erythroblastosis, 1804
plasma and oral; insulin response to diphenylhydantoin, 2456

Glucose, blood: *see* **Blood sugar**

Glucose tolerance test
growth hormone and plasma insulin, 1206
plasma insulin and K values during, in newborn infants with fetal erythroblastosis, 1923

Glucosidase
α 1,4, in Pompe's disease, 284

Glutamate
-induced brain damage in infant primates, 2086

Glutamine
intestinal absorption in phenylketonuria, 3048

Glycine
hyperglycinemia, 2196
hyperglycinemia with ketosis from isoleucine metabolism defect, 3042
nonketotic hyperglycinemia in newborn, 1207
normal propionate metabolism in nonketotic hyperglycinemia, 1797

Glycogen
metabolism of human diploid fibroblast cells in culture, 3069, 3070
storage disease, in Norway, 1156
storage disease, in Sweden, 1154
storage disease type III, and diabetes mellitus, 1123

Glycogenosis
and liver phosphorylase, 280
Pompe's disease, 284
type IV, and infantile hypotonia, 1164

Glycolipids
Fabry's disease; ultrastructural CNS study, 2128

GM1 gangliosidosis: *see under* **Gangliosides**

Goiter
and hypothyroidism; partial defect of iodide trapping mechanism in two siblings, 2184

Gonadal dysgenesis: *see* **Turner's syndrome**

Gonads
function in Turner's syndrome, 1435

Granulomatous disease, chronic
phagocytosis and Chediak-Higashi syndrome, 868

Great Britain (*see also* **individual countries**)
Education Act of 1970, 1567
incidence of anencephalus, 364

Growth
consistency and variability of human development, 1514

Growth disorders
and ataxia telangiectasia, 360
and brain biochemistry, 2150
depression in hyperkinetic children on stimulants, 2079
fetal, 2151, 2152, 2153
intrauterine; maternal urinary estrogen patterns, 3099
intrauterine retardation in familial autonomic dysfunction, 3196
and MR, 263
Prader-Willi syndrome, 480, 2639, 3114, 3288
prenatal, 260

Growth hormone
in diencephalic syndrome malnutrition, 3116
in glucose tolerance test, 1206
in growth deficiency syndromes, 701
in hypopituitarism from tuberculous meningitis, 1934
in hyposomatotrophic dwarfism, 2148
levels in protein-calorie malnutrition, 2185
and malnutrition, 2205
plasma, in cerebral gigantism, 2175
plasma, in hypoglycemia, 1205
production measured in newborn infants, 777
secretion, in fetal erythroblastosis, 1804
therapy in idiopathic hypopituitarism, Hand-Schuller-Christian syndrome, and Prader-Willi syndrome, 2639

Guillain-Barre syndrome
and allergy, 1466
and encephalitis after measles, 1005
and Epstein-Barr virus, 1787
after measles, 1005, 2001
with measles, 2858
from mercury poisoning, 120
serial nerve conduction studies, 1470

Gynecomastia
in inst MR males, 1476
in Klinefelter's syndrome and Wilson's disease, 2549

Haemophilus influenzae, 2009, 2010
antibody formation, 964
cellulitis, 856, 860

epiglottis and meningitis, 107
immunity, 984
meningitis; ampicillin therapy, 103
penicillin treatment in otitis media, 102
trimethoprim, 2965
type B, 2860

Haemophilus parainfluenzae
puerperal bacteremia and neonatal sepsis, 2829

Hair
scalp patterning and early fetal brain development, 2718

Halfway houses
for MR; sexual behavior in, 1640

Hallerverden-Spatz disease: *see under* **Hereditary diseases**

Haloperidol
and chlorpromazine in MR, 706
in Gilles de la Tourette's disease, 2990, 2991

Halothane
anesthesia and hepatitis in MR population, 2974

Halstead-Reitan Test Battery: *see under* **Psychological tests**

Hand-Schueller-Christian syndrome
growth hormone, 2639
pituitary gland function, 2117

"Happy puppet" syndrome: *see under* **Abnormalities, multiple**

Haptoglobins
normal, in ring 13 chromosome abnormality, 455

Hawaii
child development in, 529

Head
circumference and radiation in Japanese children, 2070
circumference in newborn infant, 519
circumference measured in Jamaican infant, 3450

Head injuries
in children, 1106
hospital admission after, 2085

Health and welfare planning, 714
Intellectually Handicapped Children's Society of New Zealand, 715

Health education
in residential facilities, 1647

Health manpower
training, 755

Hearing
-speech measurements, 1472

Hearing disorders (*see also* **Deafness**)
acoustic impedence measurements with hard of hearing MR children, 3448
with ataxia and MR, 3289
in Down's syndrome, 3400
screening for preschool, 824

Heart diseases
and brain damage in infants and children, 3165
discordance for, in Down's syndrome twins, 1394
and Down's syndrome; dermatoglyphic heterogeneity, 3424
and respiration in newborn infant, 1353

Heart massage
in neonatal asphyxia, 1109

Heart rate
fetal, monitoring during labor, 830

Hematocrits
high, in Down's syndrome, 2567

Hemiplegia
contralateral; Dyke-Davidoff-Masson syndrome, 2447
with telangiectasia and arterial stenosis, 3164

Hemodialysis
neuropathy associated with, in hepatitis, 1016

Hemodynamics
cerebral, in MR, 2909

Hemoglobin
A synthesis, in fetus, 2977
Thai, in α-thalassmia, 929

Hemoglobin H disease: *see* **Thalassemia**

Hemolysis
in Wilson's disease, 2136

Hemolytic disease of newborn: *see* **Erythroblastosis, fetal**

Hemophilia
with hydrocephalus, 2290

Hemorrhage
in newborn infant, 1046
in newborn infant, from anticonvulsants, 2054
intracerebral, with acute hydrocephalus and systemic hypertension, 409
and jaundice in newborn infant, 139
subaponeurotic, in newborn infants, 2055
subpial, in infants, 1957
transplacental, in induced abortion, 823
vascular; prevention in low birthweight babies, 3183

Hemostasis
in human fetus and newborn infant, 170
impaired calcium, in infantile hypercalcemia, 1190

Heparin
in allergic encephalomyelitis in animal, 978

Hepatitis virus, homologous serum, 1983, 2062, 2875
acquired in hospital, 1011
antibody in volunteer blood donors, 2036

and Australia antigen, 160, 2967
Australia antigen and serum gamma globulin, 166
Australia antigen in mother-infant pairs, 1863
autoimmune, and Australia antigen, 2042, 2043
B antigen in saliva of MR, 1774
in children, 2914
differentiating from infections, 2880
hepatitis associated antigen in Down's syndrome, 164
hepatitis-associated antigen-positive; transmission, 1796
and infectious in hospital population, 151
immune globulin, 1895, 1950, 2012, 2957
in infants, 1982, 1984
nonparenteral transmission, 182
persistent anicteric, with Australia antigen, in Down's syndrome, 1448
prevention, 1793, 1862
vaccine, 1861
vertical transmission, 1868
Willowbrook experiment, 6, 1052

Hepatic encephalopathy: *see under* **Liver diseases**

Hepatitis viruses, 1048, 1785, 1822, 1858, 1976, 2891
A; immune serum globulin mass prophylaxis, 1786
antigen, epidemic hepatitis associated, 1857
antigenemia duration in Au-positive, 1061
chromosome abnormalities induced by, 1429
in chronic Australia antigen carriers, 961
chronic; nonacute rubella IgM and rheumatoid arthritis, 2818
and cirrhosis, 899
drug-induced, 1081
encephalopathy; L-Dopa, 2067
after exchange blood transfusion in newborn infant, 2872
extracorporeal baboon liver perfusions, 907
fetomaternal transmission after intrauterine blood transfusion, 163
following fibrinogen, 1063
granulomatous, with acute cytomegalovirus infection, 2775
and halothane anesthesia in MR population, 2974
HBAg antigens in 3 selected populations, 875
immunology, 865, 942
infectious, 2873
intrahepatic form, 2805
mononucleosis and cytomegalovirus; electron microscopy, 1911
mouse; demylination induced by, in baboon, 1835
neonatal, 2058, 2064
neonatal; α-antitrypsin deficiency, 1922
neonatal, and cytomegalovirus, 2063
neonatal; cholestasis, 2838
neonatal; HAA antigen and α-fetoprotein, 2950
neonatal; serum 5′ nucleotidase, 1903
neuropathy associated with hemodialysis, 1016
protracted and recurrent forms, 2059
raised antibody titres to measles and rubella viruses, 941, 2187
in residential facilities, 3586
and rubella; simultaneous outbreak, 900

Hepatolenticular degeneration:
see **Wilson's disease**

Hepatomegaly
and splenomegaly; immunoglobulin levels, 1920

Hereditary diseases (see also specific disease)
behavioral phenotypes, 2358
computer calculation of recurrence risks, 816
DeSanctis-Cacchione syndrome, 2289
etiology, 2331
Fabry's disease; kidney transplant, 368
familial thymic aplasia, 2295
genetic rounds in hospital, 778
genetic technics, 2644, 2645, 2646
Hallerverden-Spatz disease, amyotrophic lateral sclerosis-dementia complex, and neuroaxonal dystrophy, 3256
Marinesco-Sjogren syndrome, 1240
Menkes' kinky hair syndrome, 421, 3203
neuroblastoma, familial, 1267
ocular abnormalities with MR, 1328
in prison populations, 3168
screening and disease frequency, 2766, 2767
screening programs, 2531
severe sex-linked MR, 1329
Sjogren-Larsson syndrome, 2120, 2299, 3255
therapy and evolutionary effects, 3294
trichopoliodystrophy, 1310
Wiedemann-Beckwith syndrome, 1261
wrinkly skin syndrome, 3237

Heredity
and environment in MR, 2737

Hermaphroditism
with multiple abnormalities, 2376
pseudo, in males with trisomy E, 3411

Heroin
addiction and respiratory distress syndrome, 1344
maternal, and behavior of newborn infant, 1997
withdrawal effects in newborn infant, 1792

Herpes simplex, 2984
arthritis from, in rabbits, 2784
ascending myelitis, 1949
cesarean section to prevent, 2019
encephalitis, 1807, 1828, 1958
growth of virus in transformed glial and neuronal cells, 2821
idoxuridine and erythema multiforme after, 1993
initiated in hamsters, 1836
and neurologic manifestations, 2975, 2976
in newborn infant, 849
recovered from human trigeminal ganglions, 1845
and temporal lobe epilepsy, 2820
1 and 2, 2983, 2986
Type 2, in acute aseptic meningitis, 1939

Herpesvirus hominis
brainstem encephalitis caused by, 2053
cell-mediated immunity, 1003
encephalitis, 2905, 2941
of genitalia, 1918
iododeoxyuridine, 3541
isolation from human trigeminal ganglion, 2030
Type 2; effect on cervical epithelium, 1042

Herpesvirus infections, 79, 1025, 1074, 2985
antigenic relation of SMON-associated virus, 1941
cytarabine, 1010
disseminated neonatal; experimental model, 1892

encephalitis, 2038
encephalitis after herpes keratitis, 2936
encephalitis; encephalography, 2027
envelope; biogenesis, 1963
extragenital, 1044
and multiple abnormalities, 2935
in pregnancy, 2037
in rabbit kidney-cell cultures, 1802
type 1 and type 2 antibodies, 78
type 2, in genitourinary tract, 2050

Herpes zoster
in infant, after intrauterine exposure to varicella, 2924

Hexosaminidases
in Tay-Sachs disease, 285, 1157, 1451

Histidine
histidinemia, 2168
histidinemia, atypical 256
histidinemia; computer detection system, 798

Histidinemia: *see under* **Histidine**

Histiocytes
bone-marrow-serum acid phosphatase in lipid histiocytosis resembling, 1152
sea-blue, 314, 1147, 2910

Histiocytomia
nasopharyngal fibrous, in respiratory distress syndrome, 3284

Histiocytosis-X
drug therapy, 1187

Holoprosencephaly: *see under* **Abnormalities, multiple**

Homocystinuria, 1124
and adenosylated compounds, 321
and blindness, 3095
cystathionine synthesis, 316
folate levels during pyridoxine treatment, 3026
Marfan's syndrome, and arachnodactyly, 1269
pyridoxine mechanism responsive, 2192
vitamin B6 dependency, 1197

Homovanillic acid
in cerebrospinal fluid of child with autonomic dysfunction-familial and genetic, 3044

Hormones
antidiuretic, in newborn infant with meningitis, 1047
and brain development, 261
disorder with multiple abnormalities, 3088
effects on neonatal joundice, 2901
pregnancy tests and congenital malformations, 3266
thyroid-stimulating, in protein-calorie malnutrition, 3034

Hospital personnel
aides; predicting performance criteria, 3598
attitudes of psychiatric technician trainees for MR, 1680

Hospitals
genetic rounds, 778

Human experimentation, 2713, 2714
and medical ethics, 2715

Hungary
XYY juvenile delinquents in, 2514

Hunter's syndrome: *see under* **Mucopolysaccharides**

Huntington's chorea
lithium carbonate, 3155

Hurler syndrome:
see under **Mucopolysaccharides**

Hyaline membrane disease, (*see also* Respiratory distress syndrome), 408, 418, 1266, 2279, 2311, 2399, 3167, 3274, 3275
and blood aspiration, 1306
and cesarean section, 3232
circulatory studies, 2284
continuous negative pressure, 1279, 2371
continuous positive airway pressure, 1237, 2403
improving oxygenation in mechanical ventilation, 3208
incidence in cesarean section, 2271
in newborn infants; fibrinolytic activity in lung tissue, 3211
oxygen exchange in lung, 2313
oxygen sensitivity, 1341, 1352
with pneumothorax and pneumoperitoneum, 1312
pulmonary interstitial emphysema with gas embolism, 3287
resuscitation, 1238
serial studies of lung volume and VA/Q, 3230

Hybrid cells,
in genetic intervention, 661

Hydralazine
in pre-eclampsia, 2643

Hydramnios
with microstomia agnathia and synotia, 2347
in myotonia dystrophica, 2895

Hydranencephaly
abnormal gestation, and encephalomalacia, 2288
and hydrencephaly, 1262
with hydrocephalus, in siblings, 1290
infantile spasms, 1296
and toxoplasmosis, 1951

Hydrencephaly: *see* **Hydranencephaly**

Hydrocephalus, 353, 1283, 2314, 3229
in achondroplasia; cisternography, 1256
in acrocephalosyndactylia, 377
Arnold-Chiari deformity, 402
arrested, evaluation by cerebrospinal fluid dynamics, 3226
arrested versus normal, in children, 2344
bacterial infection, 384
canine cisternography, 2274
and cardiac arrest from arteriovenous malformations of vein of Galen, 401
cerebrospinal fluid infusion test, 400
cerebrospinal fluid overproduction, 3258
cerebrospinal fluid shunt, 3169
clustering in space and time in Glasgow, Scotland, 379
continuous positive airway pressure, 3263
correlation of serial cisternograms and cerebrospinal fluid pressure measurements, 3299

with cyst of *cavum septi pellucidi*, 1265
in Dandy-Walker syndrome, 2278
diagnostic tests, 3170
effect of lowering intracranial pressure on cerebral blood flow, 383
experimental; changes in cerebrospinal fluid as function of time, 1309
experimental obstructive; dynamics of acute ventricular obstruction, 3302
familial, 415
with hemophilia, 2290
with hydranencephaly in siblings, 1290
infantile; conservative management, 1292
with intracerebral hemorrhage and systemic hypertension, 409
in Ireland, 1295
language characteristics of children with, 366
laryngeal stridor and respiratory obstruction, 3298
and learning, 1327
low pressure; pressure waves, 2281
and mumps, 1242, 3201
neonatal; compressive head wrapping, 2326
normal pressure; aggressive dementia, 3253
normal pressure; electroencephalogram, 3293
normal-pressure; psychiatric disorders, 3239
normal pressure; radiologic study, 416
normal pressure, occult; parkinsonism-dementia complex, 3259
occipital encephalocele, and laryngeal paralysis, 1285
paraflocculus malformation and atresia of foramina of Magendie and Luschka, 3246
plexectomy, 2294, 3544
posterior fossa surgery, 1255
posthemorrhagic, in newborn infant, 2283
radiographic prognosis, 3198
shunts in children, 1302
and spina bifida, 349
spina bifida without, 1325
thromboembolic complications of ventriculojugular shunts, 1268
urological complications of shunting, 3186
ventriculography, air and isotope, 2369
ventriculoperitoneal shunting, 3235
x-linked aqueductal stenosis, 2398

Hydrocortisone
in respiratory distress syndrome, 2408

Hydrolysates
and chronic brain damage, 3019
in parenteral nutrition, 3144

Hydrops
fetal, and congenital abnormalities, 371
fetal, and congenital syphilis, 2352
fetalis, and Down's syndrome, 2564
fetal, with idiopathic arterial calcification, 3194
fetal, with intravascular coagulation and chorangioma of placenta in newborn infant, 3206

Hydroxyindoleacetic acids
in cerebrospinal fluid of child with autonomic dysfunction-familial and genetic, 3044
5, and 5 hydroxyindole levels in MR and SMR, 1173

Hydroxylysine
metabolic defect in hydroxylysinemia, 1181

Hyperaldosteronism
and central nervous system, 289

Hyperammonemia: *see under* **Metabolism, inborn errors**

Hyperbetalipoproteinemia: *see under* **Metabolism, inborn errors**

Hyperbilirubinemia, 2819
agar, 2954
in acute hemorrhagic stroke, 1820
acute kidney failure and failure in exchange transfusion for leptospirosis, 2964
in Australia, 1062, 1065
blood transfusion with fresh and stored blood, 177
direct Coombs test positivity, 1879
double-light phototherapy, 2799
and drug metabolism, 168
long-term effects on brain in low birthweight infant, 1778
maternal oxytocin, 2922
from methylene blue dye, 1881
in newborn infant, 2845
in newborn infant; phenobarbitone enhancement of bromsulphalein clearance, 192
in newborn infant; phototherapy, 176
oxytocics in glucose-6-phosphate-dehydrogenase deficient infants, 2787
oxytocin effects, 1799, 1978, 2815
phenobarbital and phototherapy, 167
phototherapy, 876, 891, 912, 1064, 1813, 1890, 1932
phototherapy and unconjugated bilirubin in newborn infant, 2851
photherapy, in Gunn rat, 1051
and placental blood transfusion in premature infant, 834
plasma bilirubin in, 885
with probable hepatosteatosis and kernicterus, 2137
surgical management, 2068
vitamin E in newborn infant, 2854

Hypercalcemia, 1144
with acute leukemia, 254
impaired calcium hemostasis in infantile, 1190
in newborn infants of mothers with diabetes mellitus, 1128

Hyperdibasicaminoaciduria: *see under* **Amino acid metabolism, inborn errors**

Hyperglycemia
effect on fetus in normal and diabetic pregnancies, 1019
in hyperosmolar dehydration, 2856
nonketotic coma in post-pancreatectomy diabetic infant, 2822

Hyperglycinemia: *see under* **Glycine**

Hyperkalemia
in newborn infants of mothers with diabetes mellitus, 1128

Hyperkinesis (*see also* **Brain damage, chronic; Minimal brain dysfunction**), 2077
Actometer for measuring activity level, 1114
in adult, 1481
alpha rhythms, 242, 2090
amphetamines, 2648, 3011
in apartment-bound child, 2092
attention behaviors, 2997
and behavior, 2996
in children, 2093
and chronic brain damage, 220
and depression, 3010
dextroamphetamine, 3002, 3003
drug therapy, 2098, 2992, 2993, 2994, 3017
growth depression in children on stimulants, 2079
and lead, 1801
and lead poisoning, 2989
and learning disorders, 224, 1107
learning disorders, and minimal brain dysfunction, 2088
methylphenidate, 1108
in newborn infant, 1606
and other overactive conditions, 1593
and stimulant drugs, 2078
and ticklishness, 1105
vitamin therapy, 221

Hyperlexia: *see under* **Reading disability**

Hyperlipoproteinemia, 279

Hyperparathyroidism, 2131, 3105
primary, in childhood, 3041

Hyperphenylalaninemia
nature of molecular defect, 2208
and phenylketonuria, 1189

Hypersensitivity
and central nervous system disorders, 516

Hypertension
systemic, with intracerebral hemorrhage and acute hydrocephalus, 409

Hyperthermia
influenza, and CNS malformation, 947
malignant, and Turner's syndrome, 1430

Hyperthyroidism
and hypothyroidism, in twins, 323, 1775

Hypertonia
in crying cat syndrome, 482, 1424

Hypertrophy
congenital hemi-, 3418

Hypogammaglobulinemia, 156
of infancy, with Wilm's tumor, 2949
pneumocystis carinii pneumonia in child, 1908
and subacute encephalitis, 1032
with subacute sclerosing panencephalitis, 929
x-linked, and fatal viral encephalitis, 2940

Hypoglycemia, 996, 1018
Beckwith-Wiedemann syndrome, 362, 363, 2871, 2878
from β-cell adenoma, 957
and brain damage, 1831
brain metabolism, 1821
of childhood, 2814
of childhood; epinephrine insufficiency test, 1928
with craniopharnygioma and absent α-cells in pancreas, 1057
delayed, after blood transfusion, 186
electrochemical detection, 2988
epinephrine and cortisol dysregulation in neonatal cerebral hemorrhage with, 1929
and exchange blood transfusions, 184
hepatic, 157
in hereditary fructose intolerance, 2847
in infancy and childhood, 1073, 1198
ketotic; epinephrine insufficiency and decreased alanine availability, 2848
ketotic; ketogenic diet, 2903
ketotic, with Addison's disease, 913
ketotic, with branched-chain aminoacidemia, 1012
ketotic diet, 883
with maple syrup urine disease, 2859
neonatal; assessment of effects, 185
neonatal; Dextrostix Reflectance Meter system, 2896
neonatal, from islet-cell adenoma, 2832
neurologic manifestations, 994
in newborn infant, 2987
plasma growth hormone, 1205
and Reye's syndrome, 1906
in small-for-gestational-age infants, 2953

Hypomagnesemia: *see under* **Metabolism, inborn errors**

Hypomelia-hypotrichosis-facial hemangioma syndrome: *see under* **Abnormalities, multiple**

Hypoparathyroidism, 257
idiopathic, combined with Turner's syndrome, 1408
magnesium-induced reversal of vitamin-D resistance, 3081
with multiple abnormalities, 2110
plasma chloride levels, 792
with ring chromosome 18, 1163

Hypopituitarism
growth hormone, 2639
from tuberculous meningitis, 1934

Hypoproteinemia
measuring albumin turnover rates, 2163

Hypotension
intracranial; effect on cerebral blood flow, 383

Hypothalamus
and neuroendocrine pathology, 278

Hypothyroidism, 3098, 3109
and congenital deafness, 2178
congenital, with ring chromosome 18, 2477
and congenital hyperthyroidism in monozygotic twins, 323
congenital; large fontanels, 1162
congenital, and osteopetrosis, 1134
and cretinism, 310
early screening urged, 54
in endemic cretinism in Brazil, 2179
erythrocyte enzyme activities in children, 1135

and goiter; partial defect of iodide trapping mechanism in two siblings, 2184
and hyperthyroidism in twins, 1775
and IgA absent in chromosome 18 deletion, 2474
infantile; triglyceride abnormality, 2161
levothyroxine in cretinism, 272
neonatal, in Sprague-Dawley rats, 2201
nerve conduction velocity, 304
in new multiple abnormality syndrome, 399
protein-bound iodine levels, 1150
serum thyrotrophin measurement, 3045

Hypotonia
and mother-child relationships, 1670

Hypoxanthines
-guanine phosphoribosyl transferase human isozyme patterns, 3049

Hypoxia
brain response, 2292
carbohydrate metabolism in fetal brain during, 2310
coagulation; defects in infants, 1076
effects on hydroxysteroid dehydrogenase activity in placental villi, 2351
fetal; effects of drug therapy, 1330
in newborn infant, 2321
in newborn infant; fibrin degradation, 2320
pH effects on erythropoietin response, 2391
and plasma glucagon levels in newborn infant, 3218
premature infant; periodic breathing, 2301
ultrastructure of human trophoblast in spontaneous and induced, 2350
white matter degeneration, 3209

I-cell disease: *see under* **Metabolism, inborn errors**

Idoxuridine
in cytomegalic inclusion disease, 2786
and *erythema multiforme* after *herpes simplex*, 1993

IgA
levels in neurologic diseases, 2732

IgG
antibody and cytomegaloviruses, 2918
levels in neurologic diseases, 2732

IgM
cerebrospinal fluid, in absence of serum-IgM in combined immunodeficiency, 2779
globulin estimations in acquired rubella, 2843
levels in neurologic diseases, 2732
low, chromosome 1 abnormality, and recurrent infections, 3368

Imipramine
in epilepsy, 1363

Imitative behavior
of children with language disorders, 664

Immunity
cell-mediated, and Australia antigen, 1856
cell-mediated, in central nervous system, 2778
cellular, and cytomegaloviruses, 2928
cellular, with chondroitin-6-sulphaturia and nephrotic syndrome, 291
cellular, in *herpesvirus hominis*, 1003
cellular, in kwashiorkor, 1200
cellular, to Australia antigen, 917
fetal, in congenital infection, 1809
fetal; mechanism, 1952, 1953
fetal, to mumps virus, 1887
in *haemophilus influenzae*, 984
and *haemophilus meningitis*, 965
impaired *in vitro* cell-mediated, to rubella virus during pregnancy, 2973
locally produced and serum derived antibodies, 204
and measles antigens in subacute sclerosing panencephalitis, 1007
to measles, in children, 852
and measles vaccine, 136
of offspring of pregnant women infected with mumps virus, 1811
persistence following monovalent and combined vaccines, 1877
and protein supplementation, 2226
and protein-calorie malnutrition, 2190
to rubella, 895, 1893
to rubella; in women of childbearing age, 1028
to rubella; joint symptoms after, 933
and vaccines, 835
in viral hepatitis, 942

Immunization
endocrine function in rhesus iso-, 1945
humoral immune response in congenital rubella, 927
iso-; risk in ruptured tubal pregnancy, 1985
Rh; anti-D gamma globulin for prevention, 1944
Rh; anti-Rh immunoglobin in suppression of Rh, during pregnancy, 2057
Rh, in fetal erythroblastosis and ABO hemolytic disease of newborn, 1008
Rh iso-, and twins, 1987, 2000
Rh iso-, in ruptured pregnancy, 1994, 1998
Rh-D iso-, in triplet pregnancy, 1790
for rubella, 133
rubella; risk to fetus, 128
and rubella antibodies, 1060

Immunoelectrophoresis
counter, in bacterial meningitis, 896, 1772
serum patterns in mothers of Down's syndrome children, 468

Immunofluorescence technique
and adenoviruses, 1989
cerebrospinal fluid cell examination for encephalitis viruses, 1924
in herpes-simplex encephalitis, 1728
identification of Austrlia antigen, 1842
in rubella, 908
toxoplasmosis, 2794

Immunoglubulin
anti-Rh, in suppression of Rh immunization during pregnancies, 2057
cerebrospinal fluid, in meningitis, 2959
composition and Australia antigen in Down's syndrome, 2504
in Down's syndrome, 477
fetal synthesis of oligoclonal G in intrauterine infection, 2795

for homologous serum hepatitis, 2957
and hypothyroidism absent in chromosome 18 deletion, 2474
levels in hepatomegaly and splenomegaly, 1920
and measles antibodies in subacute sclerosing panencephalitis, 1832
in normal infant of severe hypogammaglobulinemic mother, 2886
Rh, and Rh sensitization, 1045
serum patterns in normal and low birthweight infants in first year of life, 3301

Immunologic deficiency syndromes, 1002, 1066
lymphopenic; transplantation of treated lymphocytes, 991

Immunology
abnormalities in cytomegalovirus infections, 2855
abnormalities in subacute sclerosing panencephalitis, 130, 2020
in aneuploid chromosome abnormalities, 2493
encephalomyelitis in nonhuman primates, 2948
in infectious hepatitis, 865
in rubella vaccination, 889
techniques in neurologic diseases, 2732

Immunosuppression
in fetal erythroblastosis, 888
in protein-calorie malnutrition, 1143
in Rh-incompatible blood transfusion, 1084

Incontinentia pigmenti: *see under* **Pigmentation disorders**

India
malnutrition in Bangladesh, 2212
nutrition research, 3106
training teachers for MR in, 643

Infant (*see also* **Infant, newborn; Infant, premature**)
adrenogenital syndrome, 1119
behavior organization in first three months of life, 3440
blood sampling from scalp, 1709
chronic brain damage from shaking, 1100
cognition stimulation, 2590
clinical pharmacology of gentamicin in, 1601
crying; physiological dynamics, 1518
and cytomegaloviruses, 879
development assessment with sleep polygram, 2736
effect of feeding on screening for phenylketonuria, 2143
effect of neonatal experiences on intelligence, 544
exceptional; diagnosis, prevention and management, 43
failure to thrive; temporary widening of sutures, 2219
fibrinolysis in preterm and small for gestational age, 1293
handicapped and premature; echo virus infections, 1875
head circumference measured in Jamaican, 3450
herpes zoster in, after intrauterine exposure to varicella, 2924
homologous serum hepatitis, 1982, 1983, 1984
hypoglycemia in, 1073, 1198
intelligence tests, 3509
isolation of rubella virus from placenta and throat culture, 126
low birthweight; longitudinal study of growth, 2397
low birthweight; oxygen chemoreceptors, 2862
malformations from anticonvulsants, 3342
normal, of severe hypo-γ-globulinemic mother; immunoglobulins, 2886
phenylketonuria; sex ratio in United Kingdom, 3022
plasma amino acids, 2123
protein and essential amino acid requirements, 3039
pyloric stenosis; effects on future growth, 3042
low birthweight; neurologic manifestations, 1299
low birthweight; preventing brain damge, 2230
low birthweight; risk of handicap due to birth defect, 1298
low birthweight and small-for-dates; visual evoked response as discriminator between, 1284
measles virus and subacute sclerosing encephalitis, 1851
mortality in influenza, 1815
motor and sensory conduction, 1471
neurologic manifestations, 1491, 1492
normal and with Down's syndrome; babbling patterns, 3401
respiratory syncytial viruses, 1097
skull transillumination, 779
small-for-date; neurological and intellectual sequelae, 2404
subpial hemorrhage, 1957
term and low birthweight; serologic responses to rubeola vaccine, 1038
visual evoked response as measure of brain function, 1552

Infant, newborn
abnormal; telling the parents, 8
abnormalities and maternal epilepsy, 2411
acid-base balance, 1354
apnea; aminophylline, 3175
assessing gestational age, 789
Australia antigen, 2833
Australia antigen in mothers and, 974
bacteriuria, 1919
behavior and maternal barbiturates, 1997
bilateral eventration of diaphragm with congenital cytomegalic inclusion disease, 2951
birthweight, 389
birthweights of phenylketonuric and siblings, 1146
blood chemistry and electrocardiographic observations, 372
cerebrospinal fluid lactate/pyruvate ratio in normal and asphyxiated, 1110
chromosome abnormalities, 1417, 3434
chromosome study after heart monitoring in labor, 2553
chronic brain damage, 2072
clinical findings and mortality in low birthweight, 380
coagulation defects in hypoxic, 1076
convulsions, 3339
correlations between neonatal head circumferences, placental parameters, and neonatal body weight, 2307
cytomegaloviruses, 987, 2939
dermatoglyphics, 2717
disseminated intravascular coagulation and fetal hydrops with chorangioma of placenta, 3206
drugs and bilirubin-albumin binding, 1973
enchovirus 14 with fatal neonatal hepatic necrosis, 992
electroencephalograph responses related to perinatal asphyxia, 3216

of epileptic mother, 2450, 2451
exchange transfusion, 1098
exchange transfusion; leukocytes in peripheral blood, 1874
Fanconi's anemia, 890
with fetal erythroblastosis; plasma insulin and K values during intravenous glucose tolerance test, 1923
fibrin degradation in hypoxic, 2320
fluorescence screening for chromosome abnormalities, 506
gentamicin, 843, 1055
glucose metabolism, plasma insulin, and growth hormone secretion in fetal erythroblastosis, 1804
glucose-6-phosphate dehydrogenase-deficient; oxytocics and neonatal hyperbilirubinemia, 2787
growth hormone production measured, 777
head circumference measurement, 519
with heart disease; respiration, 1353
hemorrhage, 1046
hemorrhage and jaundice, 139
hemostasis, 170
herpes simplex infection, 849
high-risk; changing concepts, 1759
with hyaline membrane disease; fibrinolytic activity in lung tissue, 3211
hyperbilirubinemia, 2845
hyperbilirubinemia; influence of phototherapy on unconjugated bilirubin, 2851
hyperkinesis, 1606
hypoglycemia, 2987
hypoxia, 2321
immediate problems at birth, 1314
infection; early recognition, 2016
influence of orotic acid on bilirubin levels, 188
jaundice and cystic fibrosis, 1037
kernicterus; assessment methods, 145
lead concentrations, 983
Letterer-Siwe disease, 2327
Listeria monocytogenes, 1086
low birthweight, 1316
low birthweight; and MR, 1315
low birthweight; discharging from hospital, 413
low birthweight; early postnatal weight gain, 1336
low birthweight; electroencephalography, 1289
low birthweight; etiology and outcome, 1294
low birthweight; fasting and brain development in rabbits, 2230
low birthweight; insensible water loss, 2406
low birthrate; intensive care, 410
low birthweight; intravenous tab emulsion injection, 1186
low birthweight; lower discharge rate and shortened nursery stay, 2296
low birthweight; nutritional requirements, 388
low birthweight; perinatal factors, 352
low birthweight; phenylephrine eyedrops, 1346
low birthweight; predictive value of maternal visiting patterns, 2354
low birthweight; prognosis, 1260
low birthweight; protein intake and plasma osmolality, 3215
low birthweight; seizures, 2449
low birthweight; stimulation program, 1282
low birthweight; visual evoked responses during respiratory disorders, 2363
lymphocyte metabolism and morphology, 882
and maternal influenza, 106
maternal toxemia, fetal malnutrition, and motor behavior, 385
maturity estimation, 799, 800
measurement parameters for estimating gestational age, 370
measuring blood sugar, 870
meningitis in; antidiuretic hormone secretion, 1047
metabolic acidosis in relation to dietary protein intake, 2170
mild disorders, 1335
of mothers with diabetes mellitus; hypercalcemia and hyperkalemia, 1128
neonatal jaundice in breast fed, 150
nonketotic hyperglycinemia, 1207
orotic acid and bilirubin-absorptive power of plasma albumin, 887
pathology, 522
perinatal factors in MR, 1753
phototherapy, 2045
phototherapy and water loss, 1605
phototherapy; peripheral circulatory response, 1930
placental blood transfusions, 2015
plasma glucagon levels and effect of hypoxia, 3218
postexchange transfusion hepatitis, 2872
posthemorrhagic hydrocephalus, 2283
protein loading and blood phenylalanine levels, 1179
purulent meningitis, 2049
regulations governing service in Massachusetts hospitals, 2282
resuscitation, 1244
Rh-sensitization and maternofetal transfusion during delivery, 2788
screening for inspection following premature rupture of maternal membranes, 2353
small-for-dates, 347
small-for-dates; defective gluconeogenesis from amino acids, 3053
special and intensive care, 2746
spectrophotometry of cerebrospinal fluid, 29
streptococcal infections, 95
streptomyces pelletieri, 1907
subaponeurotic hemorrhage, 2055
of toxemic or hemorrhagic mothers: neurologic manifestations, 1321
triploid mosaicism in live, 438
vomiting, diarrhea, and infection, 140
withdrawal effects of heroin, 1792

Infant, premature, 1270, 3224
apnea and periodic breathing, 2405
birthweight and gestational age, 1271
cerebral palsy etiology, 1219
diseases, 1324
hypoxia and periodic breathing, 2301
low birthweight; outcome related to nursery practices, 1272
oxygen exchange in lung, 2313
with patent ductus and pulmonary disease, 2306
placental transfusion and hyperbilirubinemia, 834
psychological and educational sequelae, 3241
sweat gland stimulation in heroin withdrawal, 1810
tyrosine and intelligence, 1243

Infantile amourotic idiocy: *see* **Tay-Sachs disease**

Infantilism
psycho-, and chromosome abnormalities, 1446

Infections
in children, and glucose-6-phosphate dehydrogenase activity, 1087

dentobacterial plaque, in children with Down's syndrome, 511
and immunological deficiency, 1002
infectious disease and social change, 1079
and malnutrition in kwashiorkor, 292
in maple syrup urine disease, 281
myocobacterial; bacteriological aspects, 1017
in newborn infant; early recognition, 2016
in newborn infant; gentamicin, 843
recurrent, low IgM, and chromosome 1 abnormality, 3368
screening in newborn infant following premature rupture of maternal membrane, 2353

Infectious diseases
and social change, 1093

Influenza
-A infection in children, 920
and antineuraminidase, 1815
attenuation recombinant viruses detected, 867
and congenital abnormalities, 101, 952
drug therapy; cyclooctylamine, 873
hyperthermia, and CNS malformation, 947
infant mortality, 1816
maternal, and newborn infant, 106
and meningococcal infection, 2035
neuraminidase and resistance to, 922
new strain, 1992
new vaccine, 2943
protection with an adamantine compound, 1865
and Reye's syndrome, 973
serum antineuraminidase antibody and resistance to, 1812
types 1,3,A2,B, antiviral nucleoside, 1869
vaccination, 1849

Influenza vaccines, 1094, 2877
A/England/42/72; antibody response, 2915
B; antigenic variants, 2902
antibody responses to Down's syndrome, 487
encephalomyelitis following, 979
herd immunity in Australia, 2844
Hong Kong and A2/Eng/72, 2791

Information retrieval systems
MEDLARS, 768
risk prediction tables for genetic disorders, 68

Information services
of Disabled Living Foundation, London, 765

Insulin
plasma, in fetal erythroblastosis, 1804
plasma, in glucose tolerance test, 1206
response to oral glucose in diphenylhydantoin therapy, 2456
secretion in man and diphenylhydantoin, 2441
serum levels in kwashiorkor and pellagra, 306

Intelligence
accuracy of clinicians' estimate, 570
below average and MR, 3479
in β-thalassemia, 158
and behavior in inst MR in California, 1661
and blood phenylalanine levels in phenylketonuria, 287
border-line MR in low and middle income adolescents, 3465
and cerebrovascular disorders, 419
and coordination in California encephalitis, 1905
deprivation, and inst progress, 3485
development and role of salience recall, 3491
of differentially reared chimpanzees, 577
eclectic vs. developmentalism, 2597
education and race, 1479
and fertility, 1742
genetic factors, 2591
and gestural behavior in MR, 599
idiot savants, 1494, 2600
inheritability evidence, 2582
IQ changes and hospital age, 597, 598
lack of homogamy in marriage, 1672
and malnutrition, 1142, 2588, 3111
and memory in chronic brain damage, 229
and minimal brain dysfunction, 216
and MR, 550
and neonatal experiences, 544
normal, in 48,XXXX female, 2480
organic involvement, 2598
phenylketonuria with normal, 1176
phylogeny and ontogeny, 1480
Piagetian theory and psychopathology, 2595
quotient and extraneous stimulation in incidental learning, 3460
race and education, 3484
scores of disadvantaged children increased by enrichment program, 527
sentence comprehension and imitation by children with Down's syndrome, 469
socioeconomic factors, 548
space perception, 2596
stimulus-response compatibility and complexity and reaction time, 564
task complexity and performance, 3453
trainability of MR children, 2608
vibratory and visual stimulation, 2593
X-linked in males, 2557, 2558, 2559, 2560

Intelligence tests, 3508
Bender-Gestalt, in cerebral palsy, 1224
biasing effect of pretest referral information on WISC scores, 3511
category labeling and sorting, 2599
for children with cerebral palsy, 528
cutoff criteria and performance, 2611
Dewolfe Wechsler Adult Intelligence Scale in chronic brain damage and schizophrenia, 1536
evaluation, 2610
Fisher and Zeaman's *K*, 1543
Harris Goodenough Draw-a-Man Test, 593
for infants, 3509
Kramer-Binet and Brunet-Lezine developmental test, 1502
in language disorders, 1540
Peabody Picture Vocabulary Test; automated and manual presentation, 2615
Peabody Picture Vocabulary Test and Wechsler Intelligence Scale for Children compared, 602
predictive value of developmental assessment tests in infancy, 525
Quick Test, 567
and segregation of MR in school classes, 3526
and self-concept, 3463
and social maturity tests; Negro and Caucasian scores, 3505
social quotient correlation, 3504

Stanford-Binet short forms, 572, 591, 1537
in vocational rehabilitation center, 569
Wechsler Intelligence Scale for children as evaluative instrument in token economy, 1542
WISC, short and full form, 2601
Wisconsin card sort task and organic and cultural familial MR, 3506

Interferon
rubella virus studies, 2869

Intestines
perforation in exchange transfusion, 847

Iodine
deficiency in cretinism, 1145
protein-bound, levels in hypothyroidism, 1150
125, in thyrotoxicosis, 2929

Iraq
kwashiorkor in, 1131

Ireland
Coxsackie virus infections, 1083
echo virus infections, 210
marriage and MR, 1526
neural tube defects, 1295
Northern; mortality rate of MR under community and inst care, 3447
screening for inborn metabolic errors, 3083

Iron
deficiency and thalassemia, 2960

Ischemia
brain response, 2292

Isoenzymes
carbonic anhydrase in respiratory distress syndrome, 1252
hypoxanthine-guanine phosphoribosyl transferase; human patterns, 3049
lactate dehydrogenase, in MR, 296
lysosomal; distribution patterns in mucopolysaccharidosis, 271
serum alkaline phosphatase, in Down's syndrome, 471

Isoxsuprine
in respiratory distress syndrome, 2333

Israel
congenital malformations, 13

Jakob-Creutzfeldt disease: *see* **Creutzfeldt-Jakob disease**

Jamaica
chromosome abnormalities, 479
outpatient malnutrition clinics, 308

Japan
child psychiatry, 1619
residential facility, 731

Jaundice
bile acid excretion after disappearance of, in intrahepatic cholestasis of infancy, 2839
bilirubin levels and orotic acid, 165
from breast milk and oral contraceptives, 1069, 1072
cholestatic, of pregnancy, 2962, 2963
with cystic fibrosis in newborn infant, 1037
ethanol and unconjugated bilirubin, 950
gentamicin assay, 2866
lipoprotein test for cholestasis, 144, 269
phototherapy, 1826

Jaundice, neonatal (*see also* **Erythroblastosis, fetal**
in breast-fed infant, 150
cholestatic, and hepatic angiomatosis, 147
continuous drip exchange transfusion, 2826
erythrocyte peroxide hemolysis test and iodine rose bengal excretion test, 191
fetal erythroblastosis, following phototherapy, 162
genetic factors, 2849
maternal oxytocin infusion, 2900
maternal steroid effects, 2901
and phenobarbital, 110, 111
phototherapy complications, 3545
radioisotopes in laboratory diagnosis, 209
in rats, and behavioral abnormalities, 190
in septic fibrosis, 148

Joints
symptoms after rubella immunization, 933, 986

Kennedy Institute
phenylketonuria treatment, 1125

Kernicterus
and bilirubin concentration decline, 196
in low birthweight infant, 2827
methods of assessing in newborn infant, 145
phototherapy, 1795
with probable hepatosteatosis and neonatal jaundice, 2137

Ketamine
anesthesia in brain-damaged epileptics, 3320

Ketone bodies
and brain development, 262

Kidney
diseases in Russell-Silver syndrome, 1273, 1274
malformation and chromosome abnormalities, 2511, 2513
transplantation, in Fabry's disease, 3093, 3140, 3141

Kidney failure, acute
and hyperbilirubinemia in exchange transfusion for leptospirosis, 2964

Kinky hair syndrome: *see* **Trichopoliodystrophy** *under* **Hereditary Diseases**
3d from cash entry: 47, xxq-y

Klinefelter's syndrome, 1433
and carcinoma of breast, 494
cardiovascular malformations, 1434
gynecomastia, 2549
origin of extra x chromosome, 491
small testes in prepubertal boys, 1414
and trisomy G, 443

47,XXQ-Y aneuploidy, 499
47,XXY, and myotonic dystrophy, 3383
47,XXY/48,XXXY mosaicism, 3395

Klippel-Feil syndrome
and deafness, 1337, 1338

Krabbe's disease: *see under* **Leukodystrophies**

Kuf's disease: *see under* **Brain diseases**

Kuru, 2785
in Jamaican woman, 1236
transmitted from man to rhesus monkey, 2003

Kwashiorkor (*see also* **protein-calorie malnutrition under Malnutrition**), 919
cellular immunity, 1200
high plasma-renin activity, 2140
infection and malnutrition, 292
intravenous glucose tolerance tests and serum insulin levels, 306
in Iraq, 1131
magnesium deficiency, 2138
renin in plasma of children with, 1158
serum-albumin concentration, 2180
transferrin and *staphylococcus aureus*, 1115

Labor
chromosome study in newborn infant after fetal heart monitoring in, 2553
Doppler ultrasonic monitoring of fetal heart during, 2744
effects on fetus, 3213
fetal electrocardiography during, 62
Rh factors in third stage, 1806

Lactic acidosis
from hereditary fructose 1,6-diphosphatase deficiency, 258

Lactogen
human placental, in high-risk pregnancy, 1729

Lactose
-free triglyceride formulas in severe malnutrition, 3115
in hepatic encephalopathy, 2187
intolerance and β-galactosidases, 253
intolerance and protein malnutrition, 277

Lactosyl ceramidosis: *see under* **Metabolism, inborn errors**

Language
acquisition and behavior therapy, 695
assessing receptive vocabulary, 3490
-based curriculum for MR, 1572
behavior of MR; syntactic characteristics, 589
characteristics of children with hydrocephalus and spina bifida, 366
and cognition in MR, 532
developing capabilities of MR, 657
development and cognitive development, 1502
development and symbolic play, 3502
development; effect of positive and negative reaction tendencies in MR, 1511
development in special education, 1564
developmental implications of deviant acquisition, 3441
effects of concept familiarization to stimulus enhancement on verbal abstracting in inst MR, 3492
Gerstmann's impairment and syndrome in chronic brain damge, 234
imitative sign training as facilitator of word-object association, 1547
improvement experiment with SMR, 697
learning surface structure cues to deep structure, in EMR, 3470
lexical usage of MR and normal children, 1509
Luria's verbal deficiency theory, 582
Paget sign system, 1570
receptive vocabulary and discrimination learning, 653
related to crying and laughing in SMR, 558
situations and inst PMR, 1558
teaching program for Down's syndrome child, 1560
special education, 3514
teaching noun suffixes to SMR, 3524
training; effects on perception, 1510
training; transfer of word definitions, 1504
verbal abstraction performance of MR; effect of training program, 2617
verbal elaboration and paired-associate performance of EMR, 587
verbal mediation deficit in MR, 596
verbal problem solving among EMR, 1500, 2585

Language disorder
congenital rubella, 127
imitation and judgments of children with, 664
intelligence tests, 1540

Laryngeal paralysis
occipital encephalocele and hydrocephalus, 1285

Larynx
stridor, in meningocele and hydrocephalus, 3298

Laterality
in chronic brain damage, 407
and motor skills in chronic brain damage, 243

Latex fixation tests
for Australia antigen, 937

Laurence-Moon-Biedl syndrome, 3286

Lead
concentrations in newborn infant, 983
levels in paints, 1980

Lead poisoning, 939, 1844, 1942, 1986, 1990, 1991, 1999, 2790, 2812, 2882, 2924
altered peripheral nerve conduction velocity in children, 1901
aminolevulinic acid dehydratase assay, 119
in Birmingham, England, 2892
blood lead level determination, 2811, 2813
cadmium in, 114
in children, 115, 840, 897, 2008, 2828
congenital anomalies, 1870
control programs, 802
defective synthesis of α and β globin chains, 1964
δ-aminolevulinic acid screening, 118
environmental pollution in urban soft-water area, 2051

FEP test, microtechnique, 1981
fluorescence analysis, 850
and hyperkinesis, 1801, 2989
intranuclear inclusions, 2065
from lead-glazed earthenware, 926
lead levels in cord blood, 833
lead levels in deciduous teeth of American children, 1962
at low blood levels, 1776
lead in "no-lead" paint, 1843
mass screening test, 960
in migrant labor camps, 832
from milk fed to infants, 2981
occupational and child, 1053
and occupational health concepts, 1054
pollution from antiknock compounds factory, 1965
prevention in Massachusetts, 2980
protoporphyrin quantitation for detection, 1902
in Scotland, 1819
screening in children, 1876
screening programs, 116
test for, 117
tetraethyl, 905
in Uganda, 2887
in Wales, 1970
1971 legislation, 113

Learning (*see also* **Verbal learning**)
alternation discrimination; effects of between trials variability and initial response outcome, 1487
associative ability under varied stimulus conditions, 1498
associative, in MR, as function of grammatical structure of pairs, 526
associative, recall, and recognition in MR children, 3477
attention theory, 3518
auditory and visual paired-associate in grade-school children, 1507
capacities in TMR, 1485
in chronic brain damage, 218 classification exposure effects on numerical achievement of EMR, 2619
counting ability of MR children, 3480
and cue salience in SMR, 3468
development in mildly and severely MR, 1493
disabilities; early identification, 1562
discrimination, and receptive vocabulary, 653
discrimination, as function of number of relevant dimensions, 1497
discrimination, in MRs and normal subjects, 547
in EMR adolescents; effects of reward anticipation and performance expectancy, 3475
free, in MR and average children, 534
goal setting effects on, in EMR, 655
and hydrocephalus, 1327
incidental, in MR and non-MR children, 1505
input deficit, 2594
input organization as function of verbal response, 1484
intelligence quotient and extraneous stimulation effects on incidental, 3460
intentional and incidental, 3461
and isolation study, 1585
the learning development teacher, 606
linguistic surface structure cues to deep structure by EMR, 3470
and long-term retention in MR, 654
and malnutrition, 1142
and memory in EMR; consolidating facts, 3494
MR discrimination; attention-retention theory, 3458
oddity, following object discrimination learning in MR, 648
oddity; intellectual performance of differentially reared chim-ponzees, 577
oddity; response bias effects, 542
orienting reflex in discrimination, 3472
paired-associate and explictness of mediational set, 2587
paired-associate; cue selection and meaningfulness, 647
paired-associate; effects of informative feedback delay, monetary incentive, and temporal variables, 652
potential and vocational aspirations of EMR adolescents, 675
reinforcement delay effects, 607
relationship of task performance to chronological age, mental age, and IQ, 3459
research trends in MR, 543
response-chain, under reinforcement conditions, 645
single alternation discrimination as function of within-trials variability, 1486
social, of MR; visual feedback
stimulus factors in skill training, 1598
task complexity and performance, 3478
titration and double responding effects in MR, 552
verbal discrimination; word frequency and pronunciation, 3473
verbal elaboration and paired-associate performance of EMR, 587
von Restorff effect and rehearsal in MR, 588

Learning disorders, 3483, 3486
child at risk, 2589
and developmental concepts of MR, 551
evaluation, 568
and hyperkinesis, 224, 1107
medical characteristics of children with, 530
minimal brain dysfunction, and hyperkinesis, 2088
motivational remedial approaches, 678
neurology, 549
relationship between verbal-performance discrepancies and problem-solving abilities, 546
socioeconomic aspects, 1482
and special education, 620

Lecithins
amniotic fluid concentration and respiratory distress syndrome, 1280, 1313, 1340, 1347
assay vs bubble stability test in respiratory distress syndrome, 3244
determinations in amniotic fluid in respiratory distress syndrome, 3243
/sphingomyelin ratio, 818, 1281, 2728

Legislation
affecting MR, in New Zealand, 726
Federal court orders on education for MR, 1621
for lead poisoning, 1971, 113
Mental Health Act of 1959 (England), 1623
for MR, in Australia, 1620
MR research centers, 3549
on sexual and familial relations of MR, 1622
on violence in hospitals, 1684

Leigh's disease: *see* **subacute necrotizing encephalomyelopathy under Brain diseases**

Leprosy
with neurofibromatosis, 335

Leptospirosis
acute kidney failure and hyperbilirubinemia in exchange transfusion for leptospirosis, 2964

Lesch-Nyhan syndrome, 2172, 2193
adenine and folic acid, 3071
adenine effects on purine nucleotides, 275
atypical case, 3100, 3101
hypoxanthine-guanine phosphoribosyl-transferase deficiency spectrum, 3038
laboratory diagnosis, 1121
phosphoribosyl transferase enzymes, 1182
screening technique, 288

Letterer-Siwe disease
in newborn infant, 2327

Leukemia
acute, and Down's syndrome, 2566, 3349, 3350
acute myeloid, with ring-1 chromosome and microcephalic dwarfism, 3415
acute, with hypercalcemia, 254
and cytomegaloviruses, 73
Epstein-Barr virus antibodies in children with, 2925
acute, and *herpes simplex meningitis*, 1833
central nervous system involvement, 1036
congenital, and Down's syndrome, 1456
and Down's syndrome, 1377, 1381, 1383, 2538, 2545, 2548
and twinning in Down's syndrome, 1412

Leukemia, lymphoblastic
Epstein-Barr viruses, 976

Leukocytes
arylsulfatase activities of in metachromatic leukodystrophy, 1218
in Down's syndrome, 1426
and fetal malnutrition, 2229
function and acute leukemia in Down's syndrome, 2566
hexosaminidase activity in Tay-Sachs heterozygotes, 3128
in peripheral blood of infants in exchange transfusion, 1874

Leukodystrophies
abnormal cerebroside sulfate metabolism corrected in cultured metachromatic leukodystrophy fibroblasts, 420
with Addison's disease, 343
globoid-cell; periodic acid-Schiff-positive cells in dog cerebrospinal fluid, 2237
infantile metachromatic, 2410
Krabbe's disease, 339, 3162
Krabbe's leukodystrophy; cytoplasmic inclusion, 2252
late adult metachromatic, 2241, 2242, 2243, 2256
late adult metachromatic; arylsulfatase activities of leukocytes, 1218
metachromatic; enzyme replacement, 696, 1227
metachromatic; multiple sulfatase deficiency, 2244
metachromatic; prenatal detection of arylsulfatase A deficiency, 3152
perinatal sudanophilic, 2246
sudanophil, with adrenal cortical atrophy, 3036

Leukoencephalopathy, progressive multifocal, 884, 2780, 2781

Leukopenia
anticonvulsants, 2429

Levadopa
in hepatic encephalopathy, 2067

Levothyroxine
in cretinism, 272

Lidocaine
effect on sheep fetal heart rate and brain metabolism, 1039

Lipid metabolism, inborn errors
Farber's disease, 361
Farber's disease; ceramidase activity, 2188
mucolipidosis II; hepatic ultrastructure and histochemistry, 3077
mucolipidosis III (pseudo-Hurler polydystrophy), 3068
myopathy associated with storages, 2135
tubulointerstitial nephropathy with tapetoretinal degeneration, 250

Lipidosis
significance of curvilinear bodies, 3138

Lipids
sudanophilic, in cerebral white matter, 3280

Lipochondrodystrophy
antenatal detection, 268
Hurler and Scheie syndromes, 326

Lipoproteins
abnormal, of cholestasis, 144, 269
dielectric constant of water of hydration in familial hyperbetalipoproteinemia, 2222
serum, and intrahepatic biliary atresia, 327

Listeria monocytogenes
in newborn infant, 1086
and Queen Anne of England, 864

Lithium carbonate
in Huntington's chorea, 3155
during pregnancy, 903

Litigation
and special education, 611

Little leopard syndrome: *see under* **Abnormalities, multiple**

Liver
Australia antigen in, 902
giant cell transformation of, and Niemann-Pick disease, 293
mitochondrial ultrastructure in Reye's syndrome, 424

phenylalanine hydroxylase in human during development, 3064
phosphorylase activity in glycogenosis, 280
virus-like particles in, and Australia antigen, 943

Liver diseases
and α 1 anti-trypsin deficiency, 2947
chronic; Australia antigen, 1818
hepatic encephalopathy, 959, 2187, 3157
Reye's syndrome, 853, 958, 1232, 3156, 3158
Reye's syndrome; with influenza, 973, 2966

Lumbar puncture
in meningitis diagnosis, 2982

Lungs
prematurity and hyaline membrane disease; effect on oxygen exchange, 2313
serial studies of volume and VA/Q in hyaline membrane disease, 3230

Lymphangiectasis
congenital pulmonary, in respiratory distress syndrome, 2374

Lymphocytes
citrullinemic, in long-term culture, 3074
clonal growth of translocation, in ataxia telangiectasia, 3163
inclusion in late-onset amaurotic familial idiocy, 2263
maternal-fetal transfer, 1013
metabolism and morphology in newborn infants, 882
from patients with Down's syndrome and measles; cytogenetic observations,3375
thymus-dependent function in patients with Australia antigen, 1770
transplantation in lymphopenic immunologic deficiency, 991

Lymphocytosis
with lymphocytic meningitis, 152

Lymphoma
and Chediak-Higashi syndrome, 2364

Lysinuric protein intolerance: *see under* **Metabolism, inborn errors**

Lysosomes
genetically determined leakage of enzymes; I-cell disease, 3055
of human fibroblasts in culture, 3065

Macroglobulinemia
monoclonal, and cytomegalic inclusion disease, 2145

Macular degeneration
in subacute sclerosing panencephalitis, 848

Magnesium
effect on mutant cells in Lesch-Nyhan syndrome, 3145
status of malnourished Thai children, 3029

Magnesium sulfate
in pregnancy toxemias, 2800, 2801

Malabsorption syndromes
glucose-galactose, 1192

Malnutrition (*see also* **Kwoshiorkor**)
bacteriuria and pyuria in Peruvian children with, 3032
in Bangladesh, India, 2212
behavioral and brain correlations, 2124
and body temperature of children, 1015
and brain development, 3025
and brain development in newborn rabbits, 2230
brain enzyme effects in rats, 2191
in children, 1168
chromosome abnormalities, 1436, 3124
in diencephalic syndrome; growth hormones, 3116
effect on intellectual levels, 2588
and failure to thrive; temporary widening of cranial sutures, 2219
fetal, and leukocytes, 2229
and growth hormone, 2205
and infection in kwashiorkor, 292
and intelligence, 3111
lactose-free medium-chain triglyceride formulas, 3115
learning, and intelligence, 1142
magnesium status of Thai children, 3029
marasmus, 3116
and myelin sheath, 2113
outpatient clinics in Jamaica, 308
plasma corticol levels in children, 3058
postnatal, and brain cholinesterase, in rats, 313
protein-calorie, 1129, 2202, 2177, 3021
protein-calorie; alterations in blood biochemical tests, 2115
protein-calorie, and *Mehlnahrschaden*, in Ethiopia, 2107
protein-calorie; brain development, 3112
protein-calorie; complement and C3-proactivator levels, 2169
protein-calorie; cytogenetic studies, 3129
protein-calorie; diagnosis, 2141
protein-calorie; electrolyte status of Thai children, 3028
protein-calorie; growth hormone levels, 2185
protein-calorie; HAA antigen infection, 2144
protein-calorie; immunity, 2190
protein calorie; in Africa, 3104
protein-calorie; *in vitro* amino acid uptake, 1184
protein-calorie; lactose intolerance, 277
protein-calorie; long-term effects, 2114
protein-calorie, in children; reduced sulfation factor, 3037
protein-calorie; muscle potassium depletion, 1159
protein-calorie; plasma and erythrocyte amino acids, 1185
protein-calorie; plasmacortisol and immunosuppression, 1143
protein-calorie; prealbumin, 1120
protein-calorie; serum and red cell folates and serum vitamin B_{12}, 3062
protein-calorie; skeletal muscle and peripheral nerve ultrastructure, 2118
protein-calorie; thymolymphatic deficiency and immunity depression, 1169
protein-calorie; thyroid-stimulating hormones, 3034
pseudocholinesterase activity, 2129
pyloric stenosis-associated; effects on future growth, 3042
and school performance in Jamaican children, 3137
and severe deprivation, 2581

thyroid hormonal studies in children, 3030
treatment in developing countries, 2139
vitamin A deficiency in developing countries, 2223

Malnutrition clinics
in developing countries, 290

Mammo-renal syndromes: *see under* **Abnormalities, multiple**

Mannosidosis: *see under* **Metabolism, inborn errors**

Maple syrup urine disease, 3027
cofactor resistance, 2207
with hypoglycemia, 2859
infection in, 281
nonfatal form in sibling, 2119

Marasmus: *see under* **Malnutrition**

Marfan's syndrome: *see under* **Arachnodactyly**

Marinesco-Sjogren syndrome: *see under* **Hereditary diseases**

Maroteaux-Lamy syndrome: *see under* **Mucopolysaccharides**

Marriage
lack of homogamy of intelligence, 1672
and MR, 1519, 1526, 1527

Massachusetts
lead poisoning prevention, 2980
regulations governing service to newborn infants in hospitals, 2282

Measles, 2884, 2921
in Africa; pathogenesis, 2917
antibodies in immunized children, 845
antibodies in multiple sclerosis, 1020
antibodies in patients with autoimmune diseases, 901
antibodies in subacute sclerosing panencephalitis, 877, 904, 1832
atypical, in vaccinated children, 2955
in children previously vaccinated, 851
corticosteroid levels after vaccination, 928
and Down's syndrome; cytogenetic observations in cultured lymphocytes, 3375
with dysgammaglobulinemia, 155
Guillain-Barre syndrome after, 2001, 2858
Guillain-Barre syndrome and encephalitis after, 1005
hemagglutination-inhibition test, 1030
immunity in children, 852
immunization in Australia, 1926
in immunized children, 1886
immunoglobins in subacute sclerosing panencephalitis, 76
in New York State, 932
raised antibody titres in hepatitis, 941, 2817
in recipients of killed measles virus vaccine, 2024
and subacute sclerosing encephalitis in infant, 1851
after vaccination, 131, 1773
virus isolation in measles encephalitis, 2846, 2852
virus-host cell relationships in central nervous system tissue, 1947
virus isolation in measles encephalitis, 2846, 2852
visceral antigens, and immune complexes in subacute sclerosing panencephalitis, 1007

Measles vaccines, 1085, 2841, 2879
combined with rubella, 1909
in Finland, 881
and immunity, 136
mumps vaccine, 2853
-rubella vaccine, 82, 1909, 2803
serologic responses in term and low birthweight infants, 1038
and transplantation in children, 954

Meckel syndrome: *see under* **Abnormalities, multiple**

Melanosis
oculocutaneous, in Sturge-Weber syndrome, 2357

Memory
in chronic brain damage, 236
free recall in Down's syndrome and other MR children, 594, 2561
and intelligence in chronic brain damage, 229
improving short-term, 3542
and learning in EMR; consolidating facts, 3494
presentation method and free performance recall of adult MR, 3476
recognition, in MR, 545
short-term, in MR, 1483
short-term, in MR and normal subjects, 531, 541
short-term, rehearsal process in MR, 3488

Menarche
and critical weight in MR girls, 2579

Meninges
angiomatosis, 517

Meningitis
Candida albicans; amphotericin B, 859,
cerebrospinal-fluid immunoglobulins, 2959
cladosporium trichoides, 1855
from Coxsackie virus and *Proteus mirabilis*, 104
cryptococcal; cerebrospinal fluid in detecting, 2978
cryptococcal; cisternal puncture, 1837
cryptococcal; diagnosis, 1798
E. coli, 2041, 2047
fungal; subcutaneous reservoir for intrathecal therapy, 1841
and *haemophilus influenzae*, 107
herpes simplex, in acute leukemia, 1833
herpes simplex virus Type 2 in acute aseptic, 1939
Klebsiella aerogenes epidemic, 2022
lymphocytic, with lymphocytosis, 152
meningococcal, 1914, 2040
meningococcal, and influenza infection, 2035
meningococcal; vaccines, 910
neonatal citrobacter, 2857
neonatal; antidiuretic hormone secretion, 1047
neonatal; rate of bacteriologic response to antimicrobial therapy, 2060
nitroblue tetrazolium test, 2961
pasteurella pneumotropica, 2864
purulent; gentamicin, 1933
purulent; in newborn infants, 2049
Salmonella, infections, 1050
transient aseptic, from tuberculosis, 1936
transient fluent aphasia after, 2906
tuberculous; growth hormones for hypopituitarism, 1934

and ventriculitis, 844
viral, with echoviruses type 3, 2034

Meningitis, bacterial
antibiotics, 2056
and ataxia, 1794
cerebrospinal fluid altered by partial treatment, 2793
cerebrospinal fluid pH and respiratory rate, 1946
in children, 2052
counterimmunoelectrophoresis, 896, 1772
epidemiology, 1067
nitroblue-tetrazolium dye test, 914
psychological sequelae, 838
and tuberculous, 1938
lumbar puncture in diagnosis, 2982
vancomycin, 2938

Meningitis, haemophilus, 1894, 1904, 2017, 2025
ampicillin, 2830, 2831
ampicillin or chloramphenicol, 2823
arteriographic demonstration of vascular lesions, 997
and brain tumor, 2912
immunity, 965
long-term effects, 837
parainfluenzae, 854, 855

Meningitis, meningococcal
in England, 2927
pericarditis following, 2937

Meningitis, tuberculous
in children, 98

Meningitis, viral
nitroblue-tetrazolium test, 871

Meningococcal infections, 2969
in pregnancy, 2840

Meningoencephalitis
amoebic; *Naegleria fowleri* in soil, 935
with California encephalitis virus, echovirus 11, and mumps, 1880
from cytomegaloviruses, 1068
from lymphocytic choriomeningitis virus, 2907
medullary-pontine *Listeria*, 97
and mumps, 839

Meningomyelocele, 1334, 3202, 3247
cell population of dorsal root ganglia in children, 3225
with cyst of *cavum septi pellucidi*, 1265
early closure in spina bifida cystica, 382
euthanasia, 1277, 1278
inoperative, in children, 1286
laryngeal stridor and respiratory obstruction, 3298
and medical ethics, 1689
pregnancy, 2340, 2342, 2343, 3187
and surgery, 1333
urological complication of shunting, 3186

Menkes' kinky hair syndrome: *see under* Metabolism, inborn errors

Menstruation
in Turner's syndrome, 2472

Mental retardation
annual review, 760

Mepiridine
in phenylketonuria, 2164

Mercury
methyl; clinical and pathological effects, 2392

Mercury poisoning
Guillain-Barre syndrome, 120

Metabolism
amino acid; central nervous system lesions, 2122
brain, during hypoglycemia, 1821
calcium, altered by anticonvulsant drugs, 1372
calcium, and anticonvulsants, 2454
carbohydrate, in fetal brain, during hypoxia, 2310
cerebral, and folic acid, 426
of diphenylhydantoin, 2437
disorders in tuberous sclerosis, 1370
drug, and hyperbilirubinemia, 168
folate and phenobarbital, 2419
glucose, plasma insulin and growth hormone secretion in fetal erythroblastosis, 1804
propionate, in nonketotic hyperglycinemia, 1797
of sulfated mucopolysaccharides; effect of altering medium pH, 3051

Metabolism, inborn errors (*see also* Amino acid metabolism, inborn errors; Lipid metabolism, inborn errors; and specific syndrome) 1149, 1188
aspartylglucosaminuria, 3090
aspartylglucosaminuria; biochemical and fine structural studies, 302
aspartylglycosaminuria; prevalence in Sweden, 3085
β-methylcrotonyl-CoA, carboxylase deficiency, 2183
branched-chain ketoaciduria, 320
branched-chain ketoaciduria and acidosis, 2211
carnosinase enzyme deficiency, 2200
cell culture study, 2109
citrullinemia, 305, 2197, 3097
citrullinemia; alternative urea cycle, 3072
citrullinemia; chronic brain damage, 3056
citrullinemia; lymphocytes in long-term culture, 3074
diet therapy, 1175
enzyme transplants, 1141
Fabry's disease, 368, 3133, 3134, 3135, 3147
Fabry's disease; α-galactosidase, 2227
Fabry's disease and central nervous system, 307
Fabry's disease; diphenylhydantoin, 3147
Fabry's disease; enzyme therapy, 3075, 3136
Fabry's disease; hemolytic-uremic syndrome simulating, 1194
Fabry's disease; kidney transplant, 3093, 3140, 3141
fucosidosis mannosidosis, 324
galactokinase deficiency, 303
glucose, in diastrophic dwarfism, 2210
Gaucher's disease; astrocytic gliosis of vascular adventitia and arachnoid membrane, 2186
Gaucher's disease; with thrombocytopenia, 312
glucose-galactose malabsorption, 1192
hydroxylysinemia, 1181
hyperammonemia, 2196
hyperammonemia; ornithine transcarbamylase mutant enzyme, 286
hyperammonemia with hyperglycinemia, 2196
hyperbetalipoproteinemia; dielectric constant of low-density lipoproteins, 2222
hyperbetalipoproteinemia, familial, 1151
hyperglycinemia associated with hyperammonemia, 2196

hypertyrosinemia and hypermethioninemia in fructose intolerance, 1203
hypomagnesemia of infancy, 1210
hypomagnesemia with magnesiodependent hypocalcemia, 252
I-cell disease, 309
laboratory diagnosis, 772
lactate dehydrogenase isoenzymes, 296
lactosyl ceramidosis, 267, 3148
Lesch-Nyhan syndrome, 3145
lysinuric protein intolerance, 1140
mannosidosis, 324, 2182
mass screening, 2213
mass screening in Europe, 3107
Menkes' kinky hair syndrome, 2149, 2162, 2231, 3020, 3046
methylmalonicacidemia, vitamin B_{12}-responsive, 3052
methylmalonicaciduria; neomycin, 2640
methylmalonicaciduria; screening, 1116
multiple screening in New Zealand, 2748
neurovisceral storage diseases, 1195
plasma chromatography screening, 2111
prenatal diagnostic techniques, 2723
prevention, 2166
Sandhoff's disease (G^{M2} gangliosidosis, type 2), 3084
screening in MR population in Ireland, 3083
screening principles, 2735
screening programs, 820, 3102
screening test, 1178

Metachromatic leukodystrophy: *see under* **Leukodystrophies**

Methemoglobinemia, 1193
screening test, 1091

Methohexital
electroencephalographic activation in epilepsy, 1362

Methylmalonicacidemia: *see under* **Metabolism, inborn errors**

Methylmalonic aciduria: *see under* **Metabolism, inborn errors**

Methylphenidate
in chronic brain damage, 690
-diphenylhydantoin interactions, 703
in hyperactivity, 231, 699, 1108

Metopic fontanelle: *see under* **Skull**

Microbiology
for communicable-diseases epidemiology, 783

Microcephaly, 1308
clinical significance, 1320
and cranio-facial radiographic planigraphy, 417
cytogenetic and biochemical investigations, 386
differential diagnosis, primary or secondary, 3222
with multiple abnormalities, 1246

Microchemistry
in Alzheimer's disease, 1213

Micropolygyria: *see under* **Cerebral cortex**

Microscopy, electron
in Down's syndrome, 1382
effect of herpesvirus hominis Type 2 on cervical epithelium, 1042
in infectious mononucleosis, hepatitis, and cytomegalovirus hepatitis, 1911
and light; renal lesions of toxemia and abruptio placentae studies, 2346

Microscopy, fluorescence
identification of G-deletion syndrome chromosomes, 3427

Milk, human
inhibitory effect on *E. coli*, 1961

Minimal brain dysfunction (*see also* **Brain damage, chronic; Hyperkinesis), 217, 238, 2087, 2094, 3013**
dextroamphetamine sulfate effects on EEG sleep patterns, 219
drug therapy, 1112, 3017
drug therapy; psychological effects, 2073
hyperactive child in elementary school, 239
and intelligence, 216
learning disorders, and hyperkinesis, 2088
and MR, 225
soft signs, 3014

Mitochrondria
in Reye's syndrome, 1968, 1969

Mongolism: *see* **Down's syndrome**

Monoamine oxidase
turnover and diminished platelet serotonin in Down's syndrome, 2491

Morphine
and fetal heart rate, 1332

Mortality
perinatal, in Sweden, 3212
rate of MR under community and inst care in Northern Ireland, 3447

Mosaicism
and amniocentesis, 1432
autosomal trisomy C with, 3408
in monozygotic twin with Turner's syndrome, 1415
normal, in partial D trisomy, 501
parental, in trisomy 18, 3426
paternal trisomy 21 and Down's syndrome, 2509
pseudo- in amniotic fluid cells, 450
in Russell-Silver syndrome (45,X/46,XY), 1441
with translocation t(2g+;14q-), 2469
triploid, in live full term infant, 438
trisomy E/G, 437

trisomy G-normal, with features associated with Down's syndrome, 1453
XO/XX with Turner's syndrome and normal puberty, 481
XO-XY, and nonfluorescent Y chromosome, 3397
XXXX/XXXXX; X chromosome behavior, 2479
45,XO/46,XY, with multiple abnormalities, 3417
46,XY D-,t(DqGq)+/92,XYXY,2D-, 2t(DqGq) in Down's syndrome, 2502
46,XY,20r/46,XY, in epileptic child, 2468
47,XXY/48,XXXY, in Klinefelter's syndrome, 3395

Mother-child relations (*see also* **Family**)
behavior therapy training program for mothers of SMR, 689
early deprivation, prior experience, and sex of infant, 3501
and hypotonia, 1670
maternal reactions to defective infant, 1675
neonatal environmental deprivation, 3495
in physically handicapped and MR, 2603
training program for disadvantaged mothers, 667

Motion pictures
on handicap, 1693

Motivation
and learning disorders, 678
response cost effects on echoic responding of MR, 1568

Motor activity
body-rocking and white noise, 520
conjugate control in MR, 3457
ultrasonics, 3452

Motor skills
in chronic brain damage, 243
competition and social stimulation effects, 3498
delayed response in MRs, 2592
development program for MR, 634
in Down's syndrome; effects of feedback, 509
as indication of school readiness in EMR, 615
MR disabilities, 2577
Oseretsky tests, 651
and perception training of EMR, 698
perceptual-motor-attributes of MR, 573
psychomotor performance of MR, 3449
remedial training programs, 3451

Movement disorders
ultrasonics for measuring, 1704

Moyamoya syndrome:
see **Telangiectasia, hereditary hemorrhagic**

Mucolipidosis: *see under* **Lipid metabolism, inborn errors**

Mucopolysaccharides
allelism, nonallelism, and genetic compounds, 2221
Hunter's syndrome (Maroteaux-Lamy syndrome), 273, 1166
Hunter's syndrome and Cooley's anemia, 2176
Hunter's syndrome in girl, 2132, 2142
Hunter's syndrome; *in vitro* selection, 2133
in Hunter's syndrome; skin fibroblasts, 3113
Hurler's syndrome; dermal fibroblasts compared with normal, 2194
Hurler's syndrome; plasma infusions, 2112, 2158, 3035
I-cell disease, 3055
mucopolysaccharidosis; antenatal diagnosis, 1148, 3082
mucopolysaccharidosis; cell metachromasia, 2130
mucopolysaccharidosis; chondroitin-4-sulfate, 1201
mucopolysaccharidosis; corneal clouding, 3060
mucopolysaccharidosis; elevated cerebrospinal fluid and MR, 2127
mucopolysaccharidosis; identification, 3080
mucopolysaccharidosis; in siblings, 2173
mucopolysaccharidosis; lysosomal isoenzyme distribution patterns, 271
mucopolysaccharidosis; mass screening, 3089
mucopolysaccharidosis; new variant, 291
mucopolysaccharidosis; plasma or whole blood transfusions, 2159
mucopolysaccharidosis; possible new variant, 3087
mucopolysaccharidosis; visceral storage and excessive chondroitin sulphate, 1209
mucopolysaccharidosis II; plasma therapy, 2154
Sanfilippo syndrome, 2125
screening in children, 1183
sulfated; effect of altering medium pH on metabolism, 3051
in urine during normal human development, 3073

Mucopolysaccharidosis: *see under* **Mucopolysaccharides**

Multiple sclerosis
measles antibodies in, 1020

Mumps
biologic perturbations of persistent embryonic infection, 2863
fetal immunity, 1887
and hydrocephalus, 1242, 3201
-measles vaccine, 2853
and meningoencephalitis, 839
with meningoencephalitis, California encephalitis, and echovirus 11, 1880
in pregnancy; immunologic response of offspring, 1811

Muscles
skeletal ultrastructure in protein-calorie malnutrition, 2118
striated, in leptomeninges of trisomic (13-15) infant, 466

Muscular atrophy
and autonomic nervous system, 1465

Muscular diseases
in *xeroderma pigmentosum*, 2289

Music
effect on work of MR adolescent females, 1597
therapy in rehabilitation of MR, 687

Mycoplasma infections, 2985
in pregnancy, 1871

Myelin sheath
demyelination induced by mouse hepatitis virus in baboon, 1835
and malnutrition, 2113

Myelitis
ascending, with herpes-simplex virus, 1949

Myelocele
α-fetoprotein in amniotic fluid, 3172

Myeloproliferative disorders
in Down's syndrome, 1384

Myositis
from rubella vaccine, 1838

Myotonic dystrophy, 3437
hydramnios, 2895
and XXY Klinefelter's syndrome, 3383

Myxovirus infections, 1024

Nails, malformed
with Group-G ring, MR, and atypical facies, 453

Nanism
thanatophoric, with brain malformations, 346

National Advisory Commission on Health Science and Society: *see under* **Ethics, Medical**

Neisseria meningitides
intrafamilial infection, 2048
after rifampin, 2933

Neomycin
in methylmalonic aciduria, 2640
in vitro amino acid uptake after, 1184

Nephroblastoma
and neuroblastoma, 345

Nephrotic syndrome
with chondroitin-6-sulphaturia and defective cellular immunity, 291
treated with immunosupressants in Van Bogaert's leukoencephalitis, 342

Nerve conduction
velocity in cretinism, 304

Nervous system (*see also* Autonomic nervous system; Central nervous system)
nontuberous neural tube defects, 2276
peripheral nerve ultrastructure in protein-calorie malnutrition, 2118
virus infection effects, 1898

Neuraminidase
and resistance to influenza, 922

Neuritis
myeloradiculo-, after rubella vaccine, 985

Neuroblastoma
enzyme activity, 2239
and nephroblastoma, 345
vanilmandelic acid screening, 2247

Neurofibromatosis
in family, 1229
with leprosy, 335
with renal artery stenosis, 1216
spinal deformity, 2235
Watson's syndrome, 3151

Neurologic examination
in chronic brain damage, 226

Neurologic manifestations
of botulinum toxin, 112
in facial paralysis and cerebellar dysfunction, 334
and folic acid, 2171
with hemodialysis in hepatitis, 1016
and herpes simplex viruses, 2975, 2976
in hypoglycemia, 994
in infant, 1491, 1492
in lowbirthweight infants, 1299
neuronal ceroid lipofuscinosis, 337, 1138
with *nevus unis lateris*, and *linearis sebaceus*, 2576
in newborn infants of toxemic or hemorrhagic mothers, 1321
and spine disorders, 1503
subacute myelo-optico-neuropathy; virus pathogenicity, 953
and tooth abnormalities, 365

Neurology
geography of, 1469
of learning disorders, 549

Neuronal ceroid-lipofuscinosis: *see under* **Neurologic manifestations**

Neurons
number in central nervous system, and MR, 3

Neutrophils
reversible defect in ataxia telangiectasia, 2251

Nevus
unis lateris and *linearis sebaceus* with neurologic manifestations, 2576
linear sebaceous syndrome, 3240

New York
abortion in, 52, 801
measles, 932
trisomy 18 in, 490

New Zealand
community health services, 1636
Intellectually Handicapped Children's Society, 674, 715, 725
legislation affecting MR in, 726
multiple screening for inborn metabolic errors, 2748
short-term residential facilities, 740

Niemann-Pick disease, 2198
and giant cell transformation of liver, 293
resembling Hallervorden-Spatz disease, 1165
sphingomyelin excretion, 3146

Nigeria
virus isolates and febrile convulsions in children, 2018

Nitrogen
chronic brain damage in rats from, 2096

Noise
white, and body-rocking, 520

Noonan's syndrome: *see under* **Turner's syndrome**

Normalization principle: *see under* **Delivery of health care**

North Carolina
special education career opportunities, 2618

North Dakota
vocational rehabilitation, 2637

Norway
attitude of children toward EMR, 722
EMR employed in, 672
glycogen storage disease, 1156

Novobiocin
in cytomegalic inclusion disease, 2786

Nuclear medicine
in CNS diseases, 683

Nursing, 753, 756, 1677, 1678, 1685
role in MR, 3594

Nutrition (see also Malnutrition)
classification of status, 1130
and fertility, 3024
and handicapped child, 2156
hydrolysates in parenteral, 3144
in low birthweight infants, 388, 1186
maternal, and weight gain; relation to birthweight, 3195
and mental performance, 2217
in pregnancy, 3092
research in India, 3106
U.N. Workshop, 1167

Obstetrics
high-risk factors, 813
and phenylketonuria, 3143
prevention of MR, 2752, 2758, 2759, 2760
and research, 767

Occupational therapy
and special education, 639, 688

Oculocerebral syndrome: *see under* **Abnormalities, multiple**

Ohio
lead poisoning control program, 802
rubella surveillance, 846
special education of handicapped, 2622

Orotic acid
and bilirubin-absorptive power of plasma albumin in newborn infants, 887
and bilirubin levels in jaundice, 165, 188
and bilirubin; toxicity in Gunn rat, 892

Oseretsky Test of Motor Proficiency: *see under* **Motor Skills**

Osteomalacia
in epileptics on anticonvulsants, 2443

Osteopetrosis
in congenital hypothyroidism, 1134

Otitis media
and haemophilus influenza; penicillin treatment, 102

Ovulation
stimulation in anencephaly, 2330

Oxandrolone
in Turner's syndrome, 2536

Oxprenolol
in thyrotoxicosis, 2181

Oxygen
chemoreceptors in low birthweight infants, 2862
lung; effect of prematurity and hyaline membrane disease, 2313
sensitivity in hyaline membrane disease, 1341, 1352

Oxytocins
in fetal erythroblastosis, 2916
and hyperbilirubinemia, 1779, 1978
maternal, in hyperbilirubinemia, 2922
maternal infusion in neonatal jaundice, 2900
and neonatal hyperbilirubinemia, 2815
and neonatal hyperbilirubinemia in glucose-6-phosphate-dehydrogenase infants, 2787

Pain
in epilepsy, 3326

Pancreas
absent α cells in, with craniopharyngioma and hypoglycemia, 1057

Pancreatitis
interstitial, in rubella, 972

Papilloma
choroid plexus, mimicking degenerative brain disease in childhood, 1217

Parainfluenza viruses
and Reye's syndrome, 2966

Paralysis
facial; neurologic manifestations, 334

Parent-child relations, 1671, 2694,3589
in battered child syndrome, 2080
benevolent over-reaction to MR, 2691
the deformed child, 3590

Parents
age of, and new mutations in Marfan's syndrome, 1419
attitudes toward MR, 3588
in battered child syndrome, 3006

consanguinity and MR, 1348
of defective children; breaking the news, 3591
of handicapped child; counseling, 1686
of handicapped child; needs, 2692
of handicapped child; socialization, 749
of MR, and community health services, 721
reaction to brain-damaged child, 750
reaction to diagnosis of MR, 1673

Parietal lobe
functions in epileptic MR, 429

Parturition
fetoplacental circulation in interfetal blood transfusion, 862

Patau's syndrome: *see under* **Chromosome abnormalities**

Pediatricians
as ombudsmen for handicapped children, 2698

Pediatrics
and cytogenetics, 2520
developmental assessment, 780, 781
and handicapped child, 2696
and MR, 12
13th International Congress, 11

Pelizaeus-Merzbacher disease, 1226, 3150

Pellagra
intravenous glucose tolerance tests and serum insulin levels, 306

Penicillamine
acute reactions in Wilson's disease, 1155
polymyositis from, 1153

Penicillin
in *Haemophilus influenzae* meningitis, 2017
in *haemophilus influenzae* with *otitis media*, 102

Pennsylvania
court order on class action for special education of MR, 1557

Perception
auditory discrimination test performance of MR children, 1506
diagnostic-prescriptive training with MR children, 3507
effects of stimulus complexity on visual search performance, 595
of event outcomes; effect of instructional set, 1495
and motor attributes of MR, 573
and motor training of EMR, 698
multi-modality response as function of MA of MR, 538
numerosity discrimination of dot patterns, 1499
pseudoisochromatic plates in test for color blindness, 524
sensory discriminative abilities of MR, 583
spatial, in chronic brain damage cases, 233
stereoscopic contour, in MR, 2586
tachitoscopic, of disoriented shapes, by normals and MR, 576
temporal grouping and sequential information processing, 1496
test for visual-motor retardation, 1541
tracing board for training, 1580

Pericarditis
following meningococcic meningitis, 2937

Pericyazyne: *see under* **Phenothiazines**

Personality tests
Kohs learning-potential assessment, 1575
impulsivity and locus of control as predictors of achievement, 571
Vineland Scale of Ego Development, 563
Welsh Figure Preference Test, 600

Personnel
child care aides, 1682
nonprofessionals for behavior therapy, 2649
questionnaire for clinical psychologists, 1681

Peru
bacteriuria and pyuria in children with malnutrition, 3032

pH
effects on erythropoietin response to hypoxia, 2391

Phagocytosis
in chronic granulomatous disease and Chediak-Higashi syndrome, 868

Phenobarbital
bile salts and bilirubin effects in cholestasis, 2642
effect on bilirubin, 863
and folate metabolism, 2419
intoxication in presence of primidone, 3312
and neonatal jaundice, 110, 111
and phototherapy in hyperbilirubinemia, 167
in serum bilirubin reduction, 2825

Phenobarbitone
enhancement of bromsulphalein clearance in hyperbilirubinemia, 192

Phenothiazines
pericyazyne; effects on MR, 682, 1608
sensitivity in case of hyberdibasicaminoaciduria, 2167

Phenylalanine
amino-acid preparations low in, 1126
assays in phenylketonuria, 317
blood levels and intelligence in phenylketonuria, 287
dietary requirement in hyperphenylalaninemia, 3096
DOPA formation inhibition in patients with high plasma concentration, 3054
effect of protein loading on blood phenylalanine levels in newborn infants, 1179
hydroxylase in human liver during development, 3064
intake by PKU children, 3142
measuring in phenylketonuric children, 3061
oral loading; excretion of amino acids and phenylalanine and tyrosine metabolites, 1127
in phenylketonuria, 297
thyroid hormones, and EEG power spectra, 3047
urinary excretion in hyperphenylalaninemic children, 3079

Phenylephrine
eyedrops, in low birthweight newborn infants, 1346

Phenylketonuria, 259
behavior evaluated in, 2613
birthweight of children with and siblings, 1146
blood brain barrier amino acid transport, 2121
in British Columbia, 1174
in children; measuring phenylalanine, 3061
in children; population screenings, 3119
in children; radiography, 3117, 3118
and chronic brain damage, 322
diet therapy, 1180
discontinuing phenylalanine diet, 2224
DOPA formation inhibition in patients with high plasma phenylalanine concentration, 3054
effect of feeding on screening for, in infants, 2143
in Finland, 276
glutamine intestinal absorption, 3048
and hyperphenylalaninemia, 1189
increased reproduction casualty in heterozygotes, 3059
intelligence and blood phenylalaninemic levels, 287
and interpersonal behavior, 318
Kennedy Institute treatment, 1125
low phenylalanine diet, 297
mandatory screening, 1196
maternal, and fetal damage, 3120, 3121
maternal detection, 2215
maternal; screening, 282, 283
meperidine sensitivity, 2164
nature of molecular defect, 2208
with normal intelligence, 1176
normal IQ distributions in early-treated children and their siblings, 2189
obstetric complications, 3094
obstetric and psychiatric implications, 3143
phenylalanine assays, 317
and phenylalaninemias of infancy, 2116
screening evaluated, 274
screening in Australia, 1208
sex ratio among infants in United Kingdom, 3022
sex ratio in Australia, 3127
sex ratio in German Democratic Republic, 266
sleep patterns, 3076
5-hydroxyindoleacetic acid and 5 hydroxy levels, 1173

Phenytoin
during pregnancy, 2789

Phosphodiesterases
in respiratory distress syndrome, 2329

Phospholipids
content in erythrocytes in diagnosis, 2727
fatty acid composition of erythrocyte, in fetal erythroblastosis, 1977

Photochemistry
of bilirubin IX, 876

Phototherapy
in ABO incompatibility, 956
bilirubin photoderivatives and detoxification during, 2798
"bronze" baby syndrome, 3545
and diarrhea, 1955
double light, in hyperbilirubinemia, 2799
effect on bilirubin, 863
effect on gut transit time in hyperbilirubinemia, 1932
in fetal erythroblastosis, 175, 866
in fetal erythroblastosis followed by anemia, 162, 176
in hyperbilirubinemia, 876, 891, 1064, 1890
for hyperbilirubinemia, in Gunn Rat, 1051
influence on unconjugated bilirubin in hyperbilirubinemic newborn infants, 2851
in kernicterus, 1795
in neonatal jaundice, 912, 1813, 1826
new lamps and chemical studies, 2647
with newborn infants, 2045
in newborn infants; peripheral circulatory response, 1930
and phenobarbital in hyperbilirubinemia, 167
in serum bilirubin reduction, 2825
and water loss in newborn infant, 1605

Physical education and training
and psychomotor abilities of MR, 651

Physician-patient relations, 3592, 3593, 3599, 3600
family doctor and MR, 2697
handicapped child, 1687, 2700
liability for birth injuries, 1111

Pierre Robin syndrome
resuscitation, 1245

Pigmentation disorders
incontinentia pigmenti with infantile spasms, 1361
xeroderma pigmentosum, 2259, 2289

Pituitary gland function
in Hand-Schuller-Christian syndrome, 2117

Placenta
bilirubin transfer across human, 146
blood transfusions, 2015
blood volume and acidosis in newborn infant, 3264
chorangioma with disseminated intravascular coagulation and fetal hydrops in newborn infant, 3206
and endocrine reactions, 373
insufficiency and fetal deprivation, 367
isolation of rubella virus from, 126
measuring function, 1740

Planigraphy, radiographic
cranio-facial, in microcephaly, 417

Planning, health and welfare
day care centers for MRs, 2690
for MR, 716

Plasma
amino acids of infants, 2123
chloride levels in hypoparathyroidism, 792
estrogens, and fetal outcome, 59
ethosuximide levels in epilepsy, 2420
fetal erythroblastosis and neonatal hyperbilirubinemia; bilirubin in, 885
fresh frozen, in asphyxiated low birthweight infants, 3210
infusions in Hurler's syndrome, 2112, 3035
osmolality and protein intake in low birthweight infants, 3215
perfusion in mucopolysaccharidoses, 273
plasmapheresis in hepatic encephalopathy, 959
and renin in kwashiorkor, 1158
therapy in mucopolysaccharidosis II, 2154

Play
differences between normal and Down's syndrome children, 447

Pneumonia
adenovirus type 7, 80
with adenovirus type 7 and massive pleural effusion, 2942
pneumocystis carinii, in child with hypogammaglobulinemia, 1908

Pneumoperitoneum
with pneumothorax in hyaline membrane disease, 1312
in respiratory distress syndrome, 2386

Pneumothorax
complicating amniocentesis, 1715
with pneumoperitoneum in hyaline membrane disease, 1312

Polyarteritis
Australia antigen in, 949

Pompe's disease: *see under* **Glycogenosis**

Population surveillance
for MR, in England, 2657

Porphyria
following transient neonatal quadriplegia, 1171

Potassium
depletion in muscles in protein-calorie malnutrition, 1159

Prader-Willi syndrome: *see under* **Growth disorders**

Prealbumin
in protein-calorie malnutrition, 1120

Pregnancy
amniocentesis; risk in early, 2721
amnioscopy in high risk, 1300
amniotic fluid in abnormal, 34
amniotic fluid in Rh-isoimmunization and hepatosis, 1726
anti-Rh immunoglobin in suppression of Rh immunization during, 2057
Australia antigen, 2833
bacteriuria, 1878
cholestatic jaundice of, 2962, 2963
cytomegaloviruses recovered from cervix, 831
dialysis for fulminating toxemia, 123
and epilepsy, 3314
in epileptics; anticonvulsants, 3306
estriol determinations in high-risk, 794
estriol excretion and fetal adrenal cortex morphology, 58
estriol secretion in late, in Down's syndrome, 2534
fetal effects of drugs during, 2931
herpesvirus encephalitis, 2037
high-risk, 56
high-risk; estimating fetal maturity, 2309
high-risk; etiological factors and treatment, 70
high-risk; human placental lactogen, 1729
hormonal tests and congenital malformations, 3266
impaired *in vitro* cell-mediated immunity to rubella virus during, 2973
lithium during, 903
meningococcal infections, 2840
and meningomyelocele, 2340, 2342, 2343, 3187
mycoplasma infections, 1871
normal and diabetic; effect of hyperglycemia on fetus, 1019
normal and Rh; protein content in amniotic fluid, 1014
nutrition, 3092
phenytoin effects, 2789
prenatal diagnosis of chromosome abnormalities, 1452
Rh factors; estriol assays, 200
Rh factors; progesterone levels, 172
Rh immunization in ruptured tubal, 2946
rubella reinfection during early, 2816
rubella undiagnosed in, 1095
rubella vaccination and termination of, 1995
rubella vaccination during, 134, 1041
rubella vaccine effects, 925
subacute sclerosing panencephalitis, 1867
thyroid gland function in, 142
and toxoplasmosis, 2894
twin, and preeclampsia, 898
ultrasound in diagnosis, 24

Pregnancy toxemias, 1805, 1839, 1882, 1972
and cigarette smoking, 2972
fetal-maternal incompatibility, 944
frusemide, 1000
magnesium sulfate, 2800, 2801, 2893
pre-eclamptic, and fetal-maternal incompatibility, 141
in twin pregnancy, 951

Pregnancy, tubal
blood autotransfusion, 1889
ruptured; Rh isoimmunization, 1985, 1994, 1998

Primidone
derived phenobarbital intoxication in presence of diphenylhydantoin, 3312
metabolic disposition in epilepsy, 2414

Prisons
hereditary diseases, 3168
terms for MR, 2670

Probability
judgment by EMR and normal, 536, 537

Progeria
multiple abnormalities, 2323

Progesterone
levels in Rh pregnancies, 172

Prognosis
in conditions involving MR, 795

Progressive multifocal leukoencephalopathy: *see under* **Brain diseases**

Proline
prolinemia, 1177

Propionate
metabolism in nonketotic hyperglycinemia, 1797

Protein-calorie malnutrition: *see under* **Kwashiorkor; Malnutrition**

Proteins
α-feto and myelocele in amniotic fluid, 3172
α-feto-, in anencephaly, 1259, 2325, 2334
α-feto, in ataxia telangiectasia, 2232
α-feto, in prenatal diagnosis of anencephaly and spina bifida, 1355
alterations in chronic brain damage (in cat), 1104
-bound iodine levels in hypothyroidism, 1150
content of amniotic fluid from normal and Rh pregnancies, 1014
daily intake and metabolic acidosis in newborn infants, 2170
human energy requirements, 3023, 3123
immune response effect, 2226
intake and plasma osmolality in low birthweight infants, 3215
iron-binding, in milk and *Escherichia coli* infections, 906
loading; effect on phenylalanine levels in newborn infants, 1179
lysinuric intolerance; pathogenetic mechanisms, 1140
in neonatal hepatitis, 2950
requirements for normal infant growth, 3039

Proteinuria
in toxemia and abruptio placentae, 2345

Prune belly syndrome: *see under*
Chromosome abnormalities

Pseudocholinesterase
activity in malnutrition, 2129

Pseudohypoparathyroidism
bone responsiveness to parathyroid extract in siblings, 2204
psychophysical performance, 2214
thyroid dysfunction, 1191
type II, 3125

Pseudopseudohypoparathyroidism
and acrodysostosis, 405, 406

Pseudotumor cerebri
and deprivation dwarfism, 1287

Psychiatry
child; neuroleptics, 3537
in MR school, 2650
and phenylketonuria, 3143
role in MR, 3595, 3596

Psychological tests, 1548
Benton Visual Retention Test, 236
Bialer Locus of Control Scale, 1550
Binet Mental Age Growth Curve for MR, 578
brightness and shape dimension scaling in MR, 583
in chronic brain damage, 1533, 1534, 1538
comparative utility of 3 behavioral indices, 585
Denver Developmental Screening Test, 37, 1553, 3510
in Gilles de la Tourette's disease, 1539
Halstead Category Test and chronic brain damage, 574
Halstead-Reitan Test Battery in epilepsy and affective disorders, 1535
Hutt adaptation of Bender-Gestalt test, 562
Laurelton Self-Concept Scale, 1550
in mental and physical handicaps, 603
Queensland tests, 565, 566, 1549
Sampling Organization and Recall through Strategies (SORTS) test, 2616
for spatial aptitude in MR, 575
Trail Making Test, 244
Vineland Social Social maturity scale; deviation social quotients, 584

Psychosis
infantile; brain biopsies, 28
and MR, 1467

Psychotherapy
in MR, 707

Puberty
delayed, and chromosome abnormalities, 1447
evaluated in MR boys, 3446
normal, with Turner's syndrome and mosaicism, 481
precocious, in Prader-Willi syndrome, 3114

Pulmonary disease
with patent ductus in premature infant, 2306

Pulmonary surfactant
in respiratory distress syndrome, 374

Purines
nucleotides; effects of adenesine on in Lesch-Nyhan syndrome, 275

Pyloric stenosis
in infancy; effects on future growth, 3042

Pyridoxal phosphate
blood levels in Down's syndrome, 3347

Pyridoxine
folate levels in homocystinuria during treatment with, 3026
in homocystinuria, 2192

Pyrimidines
nucleosides in herpes simplex encephalitis, 1834

Pyruvates
metabolism and thiamine-responsive lactic acidosis, 2155

Pyuria
and bacteriuria in hospital population, 1088
in Peruvian children with malnutrition, 3032

Quadriplegia
transient neonatal, followed by porphyria, 1171

Quinacrine
dihydrochloride for identifying y chromosomes in human blood smears, 35
fluorescence for nuclear sex identification, 814
fluorescence microscopy in Down's syndrome, 473

Radiation
and chromosome constitution in spontaneously aborted fetuses, 2516
effects in patients with chromosome abnormalities, 2552

and head circumference in Japanese children, 2070
parental exposure and Down's syndrome, 2515
therapy and cerebral atheromatosis, 246

Radioactivity
in interpreting plasma bilirubin levels, 161

Radiography
and chromosome abnormalities, 1442
in phenylketonuric children, 3117, 3118
prognosis in hydrocephalus, 3198

Radioisotopes
scanning in canine cisternography and hydrocephalus, 2274
in thyrotoxicosis, 2958

Reading
ability to use context in MR, 2584
cloze responses of MR children, 3471
hyperlexia, 2368, 3469
instruction, learning, and transfer, 3523
in SMR's, 3487
symbol accentuation, single-tract functioning, and early, 633

Recreation, 1664
behavior therapy in therapeutic camp setting, 709
design competition for MR playgrounds, 1665
games and toys for MR & PMR, 746
handicapped children in play groups, 1666, 1667, 1668, 1669
preschool playgroups, 745
services for disabled children, 747
toys for handicapped, 748

Reflex
orienting, in MR and normal SS, 586

Rehabilitation, 712
film discussion program, 718
group discussions with adolescent females in residential facility, 3540
human needs, 1616
for malnutrition in developing countries, 290
media workshops, 719
services evaluated, 2634

Rehabilitation, vocational, 66, 670, 2636, 3531, 3535, 3536
differences between TMR and physically handicapped, 1545
of dull-normal MR, 1595
employment of MR, 644
EMR employed in Norway, 672
Federal program to hire the handicapped, 668
function analysis and vocational guidance, 3529
implementing recommendations for MR, 671
incentives and performance, 3530
industrial training and remunerative employment, 3533
and intelligence tests, 569
job placement procedure, 677
language abilities and vocational success, 3532
learning potential of EMR adolescents, 675
music and work of MR adolescent females, 1597
music therapy, 687
Occupational Conditioning Center Program, 2635
personality factors influencing success, 669
prediction of vocational and social skill acquisition, 1599
in rural North Dakota, 2637
sheltered workshop, 676
social adjustment, 3534
spatial aptitude test, 575
and special education for MR, 1637
Taranaki Opportunity Workshop, 674
Vocational Interest and Sophistication Assessment, 673
work observation scheme, 1596

Renal artery stenosis
with neurofibromatosis, 1216

Renal tubular acidosis
and sarcoidosis, 206

Renal tubular transport, inborn errors
acidosis, 1199
acidosis with subacute necrotizing encephalopathy, 3063

Renin
in plasma of children with kwashiorkor, 1158

Renpenning's syndrome: *see under* **Chromosome abnormalities**

Reproduction
World Health Organization research program in human, 67

Reovirus infections
type III encephalitis, 2769

Research
behavior of MR, 761
in MR; new directions, 766
in MR; publishing procedures, 763
in obstetrics, 767
process models of MR, 2705
in sex behavior of MR, 1522, 1524, 1525
sociological; deviation and the community, 3574
special education priorities, 3516
and theory of MR, 2747, 3482

Residential facilities, 729, 734, 735, 1638, 1650, 1660, 2678, 2679, 2680
in Adelaide, South Australia, 1646
administration philosophy, 1653
aging population in English, 2656
architecture, 728, 3582, 3583, 3587
Attendant Behavior Checklist, 738
attitudes of professional employees toward aides, 736
behavior therapy training program for employees, 754
chromosome abnormalities in Australian, 1396
vs. community care, 2683
computer placement of MR, 1655
cottage program, 732
Down's syndrome, 3409
effects upon personality, 3575, 3576
employment for patients, 730
in England, 1641, 1649, 2685, 2686, 2687, 2688, 2689
evaluating services, 741

formalized training program for administrators, 1657
future developments, 1652, 1654
females in, group discussion, 3540
health education, 1647
hostel, 1644
injuries sustained in; *res ipsa loquitur*, 2701
inpatient cost variation, 1662
IQ changes and hospital age, 597, 598
in Japan, 731
language situations modified for PMR, 1558
management system and styles, 1656
mistreatment of patients, 1683
normalization principle, 2681, 2682, 3585
personnel; estimating public attitudes toward, 757
personnel; task priority differences among, 758
placement of MR, 2684
popularity and its correlates among inst MR, 739
prescriptive teaching, 1561
prevailing attitudes and practices, 743
program evaluation, 742
pyramid therapy, 702
Scandinavian, 1634
in Scotland, 1642
self-help skills of TMR in, 1658
sheltered workshop; manufacturing vs. subcontracting, 737
short-term, in New Zealand, 740
as therapeutic community, 1643, 1645
unit system for institutional management, 1651
violence in, 1648, 1659
viral hepatitis, 3586
weekend visits for MR children, 733

Respiration
control after acute head injury, 3000
disorders in low birthweight newborn infant; visual evoked responses, 2363
in infants with heart disease, 1353
obstruction, in meningomyelocele and hydrocephalus, 3298
patterns in acute brain injury, 1102
rate in bacterial meningitis, 1946

Respiratory distress syndrome (*see also* Hyaline membrane disease), 357, 1303, 1339, 2275, 2277, 2291, 2312, 2322, 2328, 2365, 3174, 3178, 3179
acid-base balance in cerebrospinal fluid in newborn infants, 1354
α 1 antitrypsin, 2293, 2297
amniotic fluid lecithin, 1280, 1313, 1340, 1347
amniotic fluid phospholipid relationship to, 1305
amniotic fluid shake test, 3271
and apnea, 248, 249
apnea arrestor, 2383
artificial ventilation, 211
associated with pneumoperitoneum, 2386
bubble stability test vs. lecithin assay, 3244
carbonic anhydrase isoenzymes, 1252
congenital bilateral pleural effusions, 2317
congenital pulmonary lymphangiectasis, 2374
continuous negative pressure, 2316, 2401
continuous positive–airway pressure, 1342, 1345, 1351, 2268, 3281
continuous positive airway pressure and noise level, 3296
continuous positive airway pressure by nasal cannula, 3217
corticoid and cortisol levels, 2384
corticoids, 2385, 3204, 3205
corticosteroid therapy, 2382, 3242
descending aortic and arterialized capillary blood, 1343
and diabetes, 3181
disseminated intravascular coagulation, 2302, 2375
endotracheal intubation lesions, 1251
and fetal erythroblastosis, 861
glucocorticoids, 2407
and heroin addiction, 1344
hydrocortisone, 2408
hypertonic sodium bicarbonate, 2402
idiopathic; continuous positive airway pressure, 3265
increasing transpulmonary pressure, 3267
incubator respirator improvements, 2370
Isolette respirator modification, 2381
isoxsuprine, 2333
lactase and pyruvate levels, 212
from lateral cervical cyst, 1250
lecithin determinations in amniotic fluid, 3243
lecithin/sphingomyelin ratio in amniotic fluid, 1281, 3176, 3207, 3282
and low birthweight, 2372
and maternal aspirates, 404
meteorism during intermittent positive pressure ventilation, 2395
from nasopharyngeal fibrous histiocytoma, 3284
phosphodiesterase inhibition, 2329
prenatal prediction, 375, 3233
prenatal test, 1258
and prepregnancy oral contraceptives, 3173
and pressure on uterus at caesarean section, 1257
prophylactic antibiotics in chronic umbilical artery catheterization, 3236
pulmonary lecithin synthesis in human fetus and newborn, 2359
and pulmonary surfactant, 374
risk related to gestational age, route of delivery, and maternal diabetes, 215
screening with cord blood protein level, 2373
shake test on amniotic fluid, 2336
surfactant system test, 2355, 2361, 2362
THAM vs. sodium bicarbonate, 3191

Resuscitation
in hyaline membrane disease, 1238
of newborn infant, 1244
in Pierre Robin syndrome, 1245
Reye's syndrome, 2066, 2919, 2920, 2966, 3156, 3158, 3319
aflatoxin, 1996
fatty acids and mitochondrial injury, 1782, 1783
hyperammonemia, 2157
hypoglycemia, 1906
mitochondrial ultrastructure, 424
without fatty infiltration, 853, 1899, 1900
mitochondria, 1968, 1969

Reye's syndrome, 958, 1232, 2066, 2919, 2920, 2966, 3156, 3158, 3319
aflatoxin, 1996
fatty acids and mitochondrial injury, 1782, 1783
hyperammonemia, 2157
hypoglycemia, 1906
with influenza, 973, 2966
mitochondria, 1968, 1969
mitochondrial ultrastructure, 424
without fatty infiltration, 1899, 1900

Rh factors
and ABO factors, 1888
amniotic fluid analysis, 2810
anti-DIgG, 2304
in blood transfusion, 878
clinical aspects of immunization, 1925
in fetal erythroblastosis; quantitative determination, 178
immunization in ruptured tubal pregnancy, 2946
in pregnancy; estriol assays, 200
in pregnancy; progesterone levels, 172
prevention of immunization in fetal erythroblastosis, 174, 179
prevention of maternal sensitization, 1948
Rh immune globulin and sensitization, 1045
sensitization and maternofetal transfusion during delivery, 2788
in third stage of labor, 1806

Rhodesia
Australia antigen, 948

Rickets
precipitated by anticonvulsants, 2430

Rifampin
Neisseria meningitidis after, 2933

Riley-Day syndrome
dental treatment, 311

Ritalin: *see* **Methylphenidate**

Roseola infantum *see* **exanthema subitum**

Rubella
in adolescence, 911
antibody response in serum and nasopharynx, 205
antibody response suppression, 962
antibodies; immunization, 1060
antibodies; separation by gel filtration, 125
antibodies serologic tests, 931
and birthweight, 945, 946
clinical, after infection, 1850
congenital, and language disorders, 127
congenital, and third fontanelle, 393
congenital; effect on brain maturation, 2930
congenital; humoral immune responses, 927
congenital; immunity, 895
congenital; latent rubella virus, 135
congenital; loss of rubella hemagglutination inhibition antibody, 132
epidemic in maternity unit, 2874
epidemiology, 137
and *erythema infectiosum*, 1884
exposure to vaccinees, 989
failure of herd immunity, 1847, 1848
false-positive monospot test, 841
gammaglobulin effect on antibody, 129
hemagglutination activity in reinfection, 2979
hemagglutination-inhibition test, 1030
and hepatitis; simultaneous outbreak, 900
IgM globulin estimations, 2843
immunity, 133, 1893
immunity; impaired *in vitro* cell-mediated during pregnancy, 2973
immunization in Australia, 1080
immunization; nonconverters, 1070
immunization; risk to fetus, 128
in immunized population, 2797
immunofluorescence test, 908
-induced congenital anomalies and gamma globulin, 2028
initially confused with new syndrome, 412
interferon studies, 2869
and interstitial pancreatitis, 972
intrauterine, and congenital perceptive deafness, 1059
isolation from placentas and thorax cultures of infants, 126
isolation of virus from human products of conception and uterine cervix, 1956
joint symptoms after immunization, 933, 2783
latent, in congenital rubella, 135
low-level immunity, 1896
measles vaccine, 82, 2803
nonacute IgM antibodies in chronic hepatitis and rheumatoid arthritis, 2818
peripheral pain syndrome after immunization, 966
in pregnancy, not diagnosed, 1095
raised antibody titres in hepatitis, 941, 2817
reinfection, 2867
reinfection and fetus, 2865
reinfection during early pregnancy, 2816
and sibling birthweights, 138
-specific IgM antibody in diagnosis, 1935
storage of serum, 124
surveillance in Ohio, 846
surveillance in Scotland, 2923
vaccination, 880
after vaccination, 938

Rubella vaccines, 989, 1800, 1817, 1829, 1830, 1917, 2002, 2807
arthritis following, 1927
Cendehill strain; antibody response in school children, 1791
clinical and serological study, 2061
combined with measles, 1909
comparative trial, 857
effect in pregnancy, 134, 925, 1041
efficacy, 1873
failures; epidemiologic implications, 988
HPV-77 duck, 842
HPV-77DK12; joint symptoms after, 986
immunity, 889, 1028
long-range effects, 2021
myeloradiculoneuritis, 985
myositis, 2031
in public school system, 1049
in puerperium, 1056
RA27/3, 990
reactions, 966, 1864
termination of pregnancy, 1995
vaccination policies, 1912
vasculitis and myositis secondary to, 1838

Rubeola: *see* **Measles**

Rubenstein-Taybi syndrome: *see under* **Abnormalities, multiple**

Russell-Silver syndrome: *see under* **Abnormalities, multiple**

Saliva
Australia antigen in, 1780
hepatitis B antigen in MR, 1774

Salmonella infections
meningitis, 1050

Sandhoff's disease: *see under* **Metabolism, inborn errors,**

Sanfilippo syndrome: *see under* **Mucopolysaccharides**

Sarcoidosis
and renal tubular acidosis, 206

Scalp
blood sampling from arteries in infants, 1709
fetal monitoring, 2719

Scandinavia
residential facilities, 1634
special education, 625

Schizophrenia
child behavior compared with brain-damaged and autistic, 3496
and chronic brain damage; differential diagnosis, 36
and DeWolfe Wechsler Adult Intelligence Scale, 1536
and MR; neuroleptic, 3538

Scotland
anencephalus and spina bifida, 1297
hydrocephalus clustering in space and time, 379
lead poisoning, 1819
residential facilities, 1642
rubella surveillance, 2923
screening for Australia antigen, 1004

Selenium
teratogenic effects, 109

Self concept, 3499
of adolescent educationally subnormal boys, 533
and intelligence tests, 3463

Self mutilation
in Cornelia de Lange syndrome, 403

Senior syndrome: *see under* **Abnormalities, multiple**

Sepsis
neonatal, in *Haemophilus parainfluenzae, 2829*

Septicemia
from *Staphylococcus aureus* 502A, 1027

Serotonin
altered cerebral metabolism in Down's syndrome, 3371
cerebral levels in ischemic anoxia, 2390
diminished platelet, and monoamine turnover in Down's syndrome, 2491
transport, metabolism, and storage in blood platelets in Down's syndrome, 2555

Serum albumin
concentration in kwashiorkor, 2180

Sex
differences in fetal erythroblastosis, 971
differences in hospital admissions, 769
knowledge of adolescent MRs, 2606
in MR; moral and ethical implications, 1639
psychosexual development of MR, 1529

Sex behavior
in halfway house for MR, 1640
of MR, 1528, 1532
of MR; community attitudes, 1626
of MR; normalization principle, 2628
of MR; public attitudes, 2658
of MR; research, 1522, 1524
of MR in residential facilities, 1531
of postpubertal, in Down's syndrome, 2554
research perspectives, 1525

Sex chromatin
quinacrine mustard fluorescence in human amniotic fluid, 1768
and sex chromosome abnormalities, 797
in special education population, 3379

Sex chromosome abnormalities, 461, 3381
and birthweight, 484
detected by fluorescence, 2540
origin of 45,x, 504
and sex chromatin, 797
Xg blood groups, 495
48,XYYY karyotype, 3384

Sex chromosomes
chromatin bodies and x-linked enzymes, 1401
dicentric Y without evidence of, 46,XYqdic; in Turner's syndrome, 2473
inactive; influence on development, 2506
XXXX complement, 3377

Sex education
for MR, 1530, 1555, 1556

Shunts
ventriculojugular; thromboembolic complications, 1268

Sialic acid
in erythrocytes, in familial amaurotic idiocy, 2245

Silicon
in Alzheimer's disease, 1213

Silver-Russell syndrome, 376, 1273, 1274, 1275, 1276, 2249
and cystic fibrosis in turn, 2300

Sjogren-Larsson syndrome, 2120, 3255

Skin manifestations
focal dermal hypoplasia, 1350

Skull
metopic fontanelle, 773
transillumination in infants and children, 779

Sleep
electroencephalographic activation in epilepsy, 1362
patterns in phenylketonuria, 3076

Slow virus diseases
and central nervous system, 84

Smith-Lemli-Opitz syndrome: *see under* **Abnormalities, multiple**

Smoking
effects on fetus, 2339, 2897, 3270, 3272

Social adjustment
competition and social stimulation effects on EMR motor performance, 3498
desirability of MR in open vs. traditional school, 3512
group structures and MR adolescents, 1517
MR as social problem, 720
of MR male juveniles living in community, 3573
normalization principle for MR, 2627, 2630
in residential facilities, 739
risk-taking experiences for MR, 2631, 2632
social breakdown syndrome, 1523
tests and intelligence tests; Negro and Caucasian scores, 3505
in vocational rehabilitation, 3534

Social breakdown syndrome: *see under* **Social adjustment**

Social deprivation
and performance of MR on Rectilinear Dot Progression Task, 561

Social desirability
of MR, in housing and employment, 2661
EMRs in elementary school, 1516

Socialization
adult girl SMR patients, 3528
and behavior therapy, 590
of parents of handicapped, 749
visual feedback in social learning of MR, 3527

Socioeconomic factors
compensatory education for the disadvantaged child, 640
in functional MR, 658
in genesis and care of MR, 10
in intelligence, 527, 548
in intelligence; intelligence tests and the disadvantaged, 3526
in learning disorders, 1482
and mildly MR, 1521
in MR, 766, 1769, 2574, 2575, 3572, 3580, 3581
and MR; benefit-cost analysis, 3550
in preventing MR, 1751
programs for MR, 3571

Somatic cell hybrids: *see* **Hybrid cells**

South Wales
congenital defect incidence, 14

Spasm
infantile, with hydranencephaly, 1296

Spastic paraparesis
with MR, 518

Spectrophotometry
of cerebrospinal fluid in newborn, 29
computer-assisted, in fetal erythroblastosis, 1029

Speech
-hearing measurements, 1472

Speech disorders, 3456
neurological aspects, 1503
in SMR, 3455

Spina bifida, 369, 1322, 1326, 3214, 3229, 3249, 3290
α-fetoprotein, 2341
amniotic-fluid α-fetoprotein in antenatal diagnosis, 3184
and anencephalus in the 1930's, 356
criterion for early closure of myelomeningoceles, 382
Draycott-Oswestry splint, 3278
and hydrocephalus, 349
without hydrocephalus, 1325
improving prognosis, 2379
in Ireland, 1295
language characteristics of children with, 366
neurogenic bladder, 2298
and potato blight, 2280, 2335, 2338, 2378, 3182, 3228, 3250, 3297, 3303
prenatal diagnosis, 1355
in Scotland, 1297
selection for treatment, 3248, 3269, 3273, 3276
in South Australia, 1323
splints, 1617
spontaneous abortion, 3245, 3252
urinary tract infections, 1288

Sphingolipids
metabolic disorders, 2165
sphingolipidosis; prenatal diagnosis, 3067
sphingolipidoses and enzymology, 251

Sphingomyelins
excretion in Niemann-Pick disease, 3146
/lecithin ratio in amniotic fluid, 1281
ratio and fetal lung development, 818

Spine
deformity in neurofibromatosis, 2235
retroflexion in iniencephaly and anencephaly, 2388

Spleen
rupture in erythroblastosis, 2934

Splenomegaly
and hepatomegaly; immunoglobulin levels, 1920

Splints
in spina bifida cystica, 1617

Stanford-Binet tests: *see under* **Intelligence tests**

Staphylococcal infections
cephaloridine, 2926
septicemia from, 1027
Staphylococcus aureus and transferrin in kwashiorkor, 1115

Statistics
floor and ceiling effects in binary data, 3503

Sterilization, sexual, 3548
vasectomy in MR minor; legal consent, 3547

Sterols
test for brain neoplasms, 338

Streptococcal infections
group A β-hemolytic, 2809
in newborn infants, 95
in thalassemia, 96

Streptomyces
pelletieri, in newborn infants, 1907

Stress
response, in minimal brain damage, 240

Sturge-Weber syndrome
and oculocutaneous melanosis, 2357

Subacute myelo-optico-neuropathy: *see under* **Neurologic manifestations**

Subacute necrotizing encephalomyelopathy: *see under* **Brain diseases**

Subacute spongiform encephalopathy: *see under* **Creutzfeldt-Jacob disease**

Subacute sclerosing panencephalitis, 923, 977, 1090, 1823, 1921, 2046, 2883, 2970, 2971
adult onset, 1824
antiviral nucleoside, 1869
and avian antigens, 2911
chronic dementia, 2261
epidemiology, 1866
experimentally induced in dogs, 2908
with hypogammaglobulinemia, 929
immune complexes and visceral deposits of measles antigens, 1007
immunoglobulins and measles antibodies, 1832
immunologic abnormalities, 130, 1799, 2020
macular degeneration, 848
measles-antibody titres, 904
measles immunoglobulins in, 76
and measles virus in infant, 1851
measles viruses, 877
polyoma-inactivated Sendai virus synergism, 1954
in pregnancy, 1867
skin-test reactions, 2006, 2007
spinal fluid gel precipitation test, 1771
transmitted to calves and lambs, 893

Sulfatases
multiple deficiency in metachromatic leukodystrophy, 2244

Surgery
for cerebral palsy, 1235
in congenital adrenal hyperplasia, 1133
emergencies and accidents in MR children, 2084
for epilepsy, 1371
in hydrocephalus, 2294
lower limb, in cerebral palsy, 1234
for meningomyelocele, 1333
posterior fossa, in hydrocephalus, 1255
for temporal-lobe epilepsy, 1369

Sweat glands
stimulation in heroin withdrawal in premature infant, 1810

Sweden
aspartylglycosaminuria, 3085
glycogen storage disease, 1154
perinatal mortality, 3212
psychological screening of children in Stockholm, 791

Syphilis
congenital, and fetal hydrops, 2352
congenital, mimicking battered child syndrome, 2014
counterelectrophoresis, 1781

Tay-Sachs disease, 1411, 2126, 2220, 2768
activity in serum and leukocytes, 3128
in fetus, 1378
founder effect, 3131
ganglioside GM2 and hexosaminidase A, 285
interrelation of hexosaminidases A and B, 1157
laboratory diagnosis, 1451
molecular mechanism, 2199
screening program, 2174, 2765, 3108, 3139
tears used to detect heterozygotes, 3126
ultrastructural alteration of endocrine glands, 1464
urinary test, 1161

Teaching
efficiency in responsive versus nonresponsive environment, 1573
machine for cerebral palsy, 1221

Tears
used to detect heterozygotes for Tay-Sachs disease, 3126

Technology, medical
American Optical Bilirubinometer, 189
continuous positive airway pressure in respiratory distress syndrome, 1342
incubator- respirator, 2365
mattress - alarm system for apnea, 223
microinfusion rolling pump for exchange transfusion, 1077
neonatal resuscitation unit, 1244

Telangiectasia
associated with hemiplegia and arterial stenosis, 3164
hereditary hemmorhagic, 423
cerebral arteriovenous fistula, 2319

Territoriality
and aggressive behavior in SMR, 560

Testes
of MR; postmortem evaluation, 3445
small, in prepubertal boys with Klinefelter's syndrome, 1414

Tetracycline
chromosome banding in G, 3348

Texas
mortality and cause of death of Down's syndrome patients in, 3405

Thalassemia, 1852
α; hemoglobin H disease, 159
α; hemoglobin Thai, 929

Australia antigen associated with anti-Gm antibodies, 2004
β, and Hunter's syndrome; multiple transfusions, 2176
β; incidence of heterozygous, 2834
β; intelligence and behavior, 158
endocrine gland disorders, 1931
γ/β and fetal erythroblastosis, 869
homozygous β, 1883, 1959
and iron deficiency, 2960
minor, in industry, 1092
and streptococcal infections, 96

Thiamine
-responsive lactic acidosis and abnormal pyruvate metabolism, 2155
in subacute necrotizing encephalomyelopathy, 2146

Thrombocytopenia
in Gaucher's disease, 312

Thymus gland
thymolymphatic deficiency and immunity in protein deficiency, 1169

Thyroid diseases
and other maternal factors in etiology of Down's syndrome, 1416

Thyroid gland
dysfunction in pseudohypoparathyroidism, 1191
function evaluated by amniocentesis, 300
maternal function and MR in offspring, 142

Thyroid hormones
and cretinism, 1122
and maturation of rat cerebrum, 3130
phenylalanine, and EEG power spectra, 3047

Thyroiditis
autoimmune, and Noonan's syndrome, 3355
autoimmune, in MR, 3103

Thyrotoxicosis
growth acceleration and bone maturation in childhood, 2792
iodine-125, 2929
oxprenolol, 2181
radioisotopes, 2958

Thyrotropin
deficiency as cause of cretinism, 310
serum measurement in hypothyroidism, 3045

Thyroxine
-binding globulin deficiency and MR, 1885

Tongue
size in Down's syndrome, 3380

Tooth abnormalities
in Down's syndrome, 475
and neurologic manifestations, 365

Toxemia
laboratory characteristics, 2026
maternal, fetal malnutrition, and motor behavior of newborn infant, 385
of pregnancy, fulminating; dialysis, 123
proteinuria, 2345
renal lesions studied by light and electron microscopy, 2346

Toxoplasmosis, congenital
and congenital cytomegalovirus in newborn, 2808
fetal synthesis of oligoclonal immunoglobulin G in intrauterine infection, 2795
and hydranencephaly, 1951
IgM-fluorescent antibody response, 2796
immunofluorescence technic, 2794
and pregnancy, 2894

Trail Making Test: *see under* **Brain damage, chronic**

Tranquilizing agents
and behavior of MR, 679
effects of chlorpromazine and pericyazyne on MR, 682
evaluation with MR, 680
in child psychiatry, 3537
in schizophrenic and MR, 3538

Transferrin
in ischemic disorders of the CNS, 3166
and *staphylococcus aureus* in kwashiorkor, 1115

Transplantation
homologous enzyme, in inborn metabolic errors, 1141
kidney, in Fabry's disease, 368, 3093, 3140, 3141
and measles vaccine in children, 955

Trichopoliodystrophy: *see under* **Hereditary diseases**

Triglycerides
abnormality in infantile hypothyroidism, 2161
lactose-free formulas in severe malnutrition, 3115
levels in amniotic fluid and fetal maturity, 26
medium-chain, and intractable childhood epilepsy, 431

Triploidy
69,XXX; liveborn, 1392

Trisomy
C autosomal, with mosaicism, 3408
C-group, partial, in crying cat syndrome, 2458
D; adrenal gland tumors, 2476
D; enzyme activity, 489
D; partial; in normal mosaic females, 501
D; with cyclopia, 1388, 1462
D1; questionable diagnosis, 3419, 3420
E; central nervous system abnormalities, 2503
E; male pseudohermaphroditism, 3411
E/G mosaicism, 437
epidemiology, 460
G; and Klinefelter's syndrome, 443
G-normal mosaicism with Down's syndrome associated features, 1453
1; multiple abnormalities, 2533
4p, partial, 2495
partial, of short arm of chromosome 4, 3387
partial, with monosomy-21, 3361
8; dermatoglyphics, 1407, 2470
8, partial, 3407
9, acquired, 3421
10, partial, due to hereditary translocation r(1;10)(q44;q22), 3389

13, with paternal t(13q 14q) translocation, 512
13-15, in negro, 2569
13-15, with striated muscles in leptomeninges, 466
15, identification by trypsin-Giemsa banding, 3432
15, partial, 1410
17, with 17/G translocation, 2460
17-18 and 21 in siblings, 483
18, 514, 1393, 2521
18, dermatoglyphics, 2465
18; laboratory diagnosis, 1713, 2463
18, in New York state, 490
18; parental mosaicism, 3426
21; cranial base, 3399
21; mosaicism and Down's syndrome, 488, 2509
21; origin, 2524, 2547
21; partial, 3372
22, partial, 3404
46, XX, D-, t(Dq Dq): translocation syndrome, 3362

Trophoblast
ultrastructure of human in spontaneous and induced hypoxia, 2350

Trypsin inhibitors
α 1 antitrypsin in amniotic fluid, 1727, 2762
α 1 antitrypsin deficiency in neonatal hepatitis, 1922
α 1 antitrypsin in liver disease, 2947
α 1-antitrypsin in respiratory distress syndrome, 2293, 2297

Trypsins
C and G cell banding, 2726

Tuberculosis
causing transient aseptic meningitis, 1936

Tuberculosis, meningeal, 99, 100

Tuberous sclerosis, 2269, 3261
endocrine and metabolic disorders, 1370

Turner's syndrome
acrocentric chromosomes in normal females and females with, 2505
aneurysm of aorta, 1379
with bilateral gonadoblastomas, 3398
chromosome studies, 2492
dicentric Y chromosome, 2473
with endometrial adenocarcinoma after stilbestrol therapy, 3396
fluorescence identification of y chromosome, 451
germ cell loss variation, 496
gonadal function, 1435
histopathologic study with cytogenetic correlation, 1463
with idiopathic hypoparathyroidism, 1408
and latent diabetes, 2539
in males, 3394
and malignant hyperthermia, 1430
with menstruation, 2472
in monozygotic twin with mosaicism, 1415
monozygotic twins with, 1449
and Noonan's syndrome, 1444
Noonan's syndrome; autoimmune thyroiditis, 3355
in offspring of drug addict, 1387
oxandrolone, 2536
with partial deletion of long arm of X chromosome, 3416
phenotype with arthrogryposis multiplex congenita, 1307
in sisters, 2556
somatic stigmata in 46,XXq-, 444
with streak gonad and absent uterus, 508
with xo/xx mosaicism and normal puberty, 481
xo-xy mosaicism and nonfluorescent Y chromosome, 3397

Twins
Alzheimer's disease in one monozygotic, 2234
and cerebral palsy, 333
early mental development, 1513
fetal heart rate monitoring, 3251
hypothyroidism and hyperthyroidism, 1775
and leukemia in Down's syndrome, 1412
monozygotic; XYY karyotype, 1440
monozygotic, with Turner's syndrome, 1449
and pre-eclampsia, 898
pregnancy toxemia in cases of, 951
and Rh isoimmunization, 1987, 2000
Silver-Russell dwarfism and cystic fibrosis, 2300

Tyrosin
and intelligence of premature infants, 1243
metabolites in oral loading of phenylalanine, 1127

Uganda
lead poisoning, 2887

Ullrich-Turner syndrome: *see under* **Chromosome abnormalities**

Ultrasonics, 1707, 1716
and amniocentesis, 2725
cephalometry in diagnosing small-for-date fetus, 30
and chromosome abnormalities, 1398, 1457, 2734
and chromosome breakage, 464, 2532
and chromosomes, 1717
in diagnosis of pregnancy, 24
fetal cephalometry, 1731, 1732
fetal heart detection, 1730, 1734
and marrow-cell chromosomes, 3354
for measuring movement disorders, 1704
in motor activity, 3452
serial cephalometry and urinary estrogen assay in fetal growth retardation, 1710

Umbilical cord
Australia antigen in serum, 1859

United Kingdom
Coxsackie virus infections, 1083

United States
legal abortion, 809

Urea
alternative cycle in citrullinemia, 3072
therapeutic abortion induced, 47

Urinary tract
infections in spina bifida, 1288
malformations and chromosome abnormalities, 2511, 2513

Urine
mucopolysaccharides in, during normal human development, 3073
phenylalanine excretion in hyperphenylalaninemic children, 3079

USSR
community health services, 1663

Uterus
absent, and streak gonad in Turner's syndrome, 508
pressure at caesarean section and respiratory distress syndrome, 1257

Vaccination
atypical measles in children after, 2955
for influenza, 1849
with live, attenuated viruses; dangers, 77
for measles, 2841
for measles, and epidemic cycles, 131
measles after, in children, 851, 1773
measles, in Finland, 881
plasma corticosteroid levels after, 928
rubella, 880, 1817
rubella after, 938
for rubella; and immunology, 889
rubella; DK-12,DE-5; Cendehill reactions, 1864
for rubella; during pregnancy, 134, 1041
for rubella; immunity in women of childbearing age, 1028
for rubella; in puerperium, 1056
rubella; long-range effects, 2021
rubella; policies, 1912
rubella; termination of pregnancy, 1995

Vaccines (*see also* **Measles vaccines; Rubella vaccines**)
combined virus, 1082, 2803
for homologous serum hepatitis, 1861
and immunity, 835
influenza virus, 1094, 2943
for Japanese encephalitis virus, 81
measles; serologic responses in term and low birthweight infants, 1038
meningococcal meningitis, 910
persistence of immunity following monovalent and combined, 1877
for viruses, 91

Van Bogaert's leukoencephalitis
in nephrotic syndrome treated with immunosuppressants, 342

Vanilmandelic acid
screening in neuroblastoma, 2247

Vancomycin
in bacterial meningitis, 2938

Varicella
herpes zoster in infant after intrauterine exposure to, 2924

Varicella-zoster virus
and congenital malformations, 1940

Vasculitis
from rubella vaccine, 1838

Venereal diseases
and cytomegaloviruses, 1872

Ventriculitis
and meningitis, 844

Ventriculography
hydrocephalus, 2369

Verbal learning
reinforcement in verbal conditioning of MR, 693
and reversal of paired-associates by EMR children, 632

Virginia
lead poisoning control program, 802

Viruses (*see also* **specific virus**), **88, 89, 92, 93, 1006, 1089, 2889**
and brain development, 94
covirus concept for Australia antigen, 2776
cytosine arabinoside, 2952
and demyelinating diseases, 1915
and developing nervous system, 1898
and drug therapy, 90, 2899
interaction with bacteria in host-parasite relations, 2782
isolates in febrile convulsions in Nigeria, 2018
laboratory diagnosis, 775, 776, 1021, 1035
live, attenuated in vaccination; dangers, 77
maternal, and malignant disease in children, 2890
new infections, 2870
pathogenicity in subacute myelo-optico-neuropathy, 953
respiratory syncytial, in infants, 1097
slow, and Creutzfeldt-Jacob disease, 425
SMON-associated; antigenic relation to herpesviruses, 1941
vaccines for various, 91

Vision disorders
color vision deficiency in MR, 523
and multiple handicaps; special education, 613
and stereotyped movements, 3454
tapetoretinal degeneration, 2240, 2267

Vision tests
among inst MR, 1477
for color blindness; criterion validity, 1473
in MR, 521

Vitamins
A deficiency in developing countries, 2223
B6 dependency in homocystinuria, 1197
B_{12}, in protein-calorie malnutrition, 3062
B_{12}-responsive methylmalonicacidemia, 3052
D, and anticonvulsants, 3313
D and anticonvulsants in rickets, 2430
E, in neonatal hyperbilirubinemia, 2854
K, in neonatal hemorrhage, 1046, 2054
therapy in hyperkinesis, 221

Voluntary workers
and cerebral palsy, 330

Wales
abortion, 1755
lead poisoning, 1970
MR consultants, 2699

Watson's syndrome:
see under **Neurofibromatosis**

West Germany
community health services, 1635

West Indies
First Caribbean Mental Retardation Conference, 1624

Wiedemann-Beckwith syndrome:
see under **Hereditary Diseases**

Willowbrook experiments:
see under **Ethics, medical**

Wilm's tumor
with transient hypogammaglobulinemia of infancy, 2949

Wilson's disease, 3057
gynecomastia, 2549
hemolysis, 2136
and Opalski cells, 325
penicillamine, 1153, 1155
and white matter of brain, 2236

Wrinkly skin syndrome:
see under **Hereditary diseases**

Xanthomatosis
cerebrotendinous, with MR, 2260

Xenon
-133 for measuring gray and white matter in brain, 331

Yugoslavia
vacuum aspiration abortion, 810

Zinc
deficiency and congenital brain malformations, in rats, 3149